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Author:

**U.S. Bureau of Labor
Statistics**

Title:

**Revised indexes of
factory employment...**

Place:

[Washington, D.C.]

Date:

[1938]

94-82260-7
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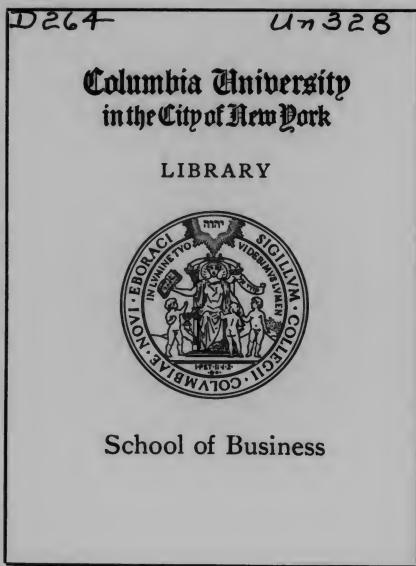
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*Periodic sample of
employment and PAY ROLLS.*

U.S. Dept. of Labor. Bureau of
Labor Statistics.



REVISED INDEXES OF FACTORY EMPLOYMENT AND PAY ROLLS

Revised indexes of factory employment and pay rolls, adjusted to the 1935 Census of Manufactures totals are shown in the accompanying tables. The periodic revision of the Bureau's factory employment and pay-roll indexes to conform to Census of Manufactures levels continues an established policy which was recommended by the Advisory Committee to the Secretary of Labor appointed by the American Statistical Association. Further revisions for conformity to Census levels for 1937 and for later years will be made when Census tabulations are completed.

The Bureau's monthly indexes are computed from reports supplied by cooperating firms which, at the present time, employ more than 55 percent of the factory wage earners of the country. As the monthly canvas does not cover all establishments in the industries surveyed, the movements shown by the reporting sample over an extended period deviate from the trend shown by Census totals. In order, therefore, that the indexes may correctly reflect the trends of total employment and pay rolls, the indexes are periodically adjusted to conform to Census totals.

In previous years, the resultant change in the levels of the new series as compared with the previously published series was due primarily to the adjustment of the indexes to new Census levels. In the currently released figures, however, the difference in levels between the new and old series is due in part to the elimination of the railroad repair shop group from the revised series from 1919 to date, following the practice of the Census of Manufactures which has now excluded this group from its regular biennial canvass. The level of the previously published series in August 1938 is 7.9 percent higher as a result of this change in classification and the 1933-1935 Census adjustment. Of this amount 3.0 percent is directly attributable to the removal of the railroad repair shop group, which had employed a rather large number of workers in the index-base period (1923-1925=100) and which now employs a relatively smaller number than manufacturing industries as a whole.

Excluding railroad repair shops, factory employment between 1933 and 1935 showed an increase of 24.5 percent, according to Census of Manufactures reports, while the Bureau's aggregates indicated an increase of 20.1 percent. A similar comparison of pay rolls shows an increase of 48.0 percent in the Census totals while the Bureau's pay-roll index shows a gain of 45.7 percent. The previous series, including railroad repair shops, shows a decrease in employment of 7.4 percent between 1935 and August 1938, while the revised series, excluding railroad repair shops, shows a loss of 5.9 percent.

Because of the change in industry groups covered, the indexes for all manufacturing industries combined have been completely revised from 1919 to date.

In addition to the usual adjustment to Census trends, the Bureau took this occasion to refine the original data included in many industries and to reclassify individual firms in keeping with Census practice. The industry indexes for approximately 60 industries were reconstructed by reclassifying certain establishments, incorporating reports received too late to be included in the original basic data prior to adjustment to 1935 Census levels.

Because of changes in Census classifications of certain industries and groups, the current Census figures were no longer coterminous with BLS classifications and cannot readily be made to agree. Therefore, the adjustments between 1933 and 1935 in several industries were based on the movement shown by the revised Census groups or industries on the assumption that the movements of employment in the revised Census industries and groups would not differ from trends of the former series. The industries and groups which were treated in this manner were: druggists' preparations, cash registers, foundry and machine shops, machinery group, and paper and printing group.

In several instances, adjustments were made to Census data although the Census totals for 1935 were not strictly comparable to the 1933 totals. The changes in the composition of the Census totals between 1933 and 1935 for the cotton goods, cotton small wares, and woolen industries were not considered sufficiently significant to vitiate comparisons of the 1933 and 1935 totals. For several groups and industries, including textiles and their products, textile mill products, wearing apparel, and knit goods, published census totals for 1935 are not comparable to the previously published 1933 Census totals. The Bureau was able, however, to reestablish comparability from available Census data and has accordingly adjusted the affected industries and groups to these comparable totals.

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For several other industries, comparable Census data were not available for 1933 and 1935, and the Bureau's indexes for the silk and rayon and the dyeing and finishing industries were not revised other than by the inclusion of late reports. Likewise, the indexes of employment and pay rolls in the automobile industry were not adjusted to the 1935 Census totals, because the reports supplied to the Bureau by cooperating automobile firms cover broader activities than are represented by Census totals. Until more detailed monthly reports can be secured or additional data can be furnished by the Census the series will not be comparable. Accordingly they have not been revised, except for the inclusion of late or reclassified reports after January 1936.

The stamped and enameled ware industry was transferred by the Census in 1935 from the nonferrous metal group to the iron and steel group. The Bureau made a corresponding change in its classifications which necessitated a complete revision of the indexes for the iron and steel group and the nonferrous metals group over the entire period for which they have been presented.

The Bureau's indexes for the agricultural implement industry and the former engines, turbines, tractors, and water wheels industry have been completely revised to conform to the shift by the Census of tractor manufacturing plants from the engines, turbines, tractors, and water wheels industry to the agriculture implement industry. The revised series for the agricultural implements industry now include tractors, while the industry designated formerly as "engines, turbines, tractors and water wheels" is now defined as the "engines, turbines, water wheels and windmill" industry. The weight factors for these two industries were adjusted accordingly.

A revised series of indexes for the knit goods industry from January 1923 to date has been computed by weighting the four subdivisions of this industry (hosiery, outerwear, underwear, and knit cloth) according to their importance in the knit goods total. The former industry indexes for knit goods were unweighted. Attention is called to the fact that the new series in the accompanying table supersede the series appearing in Bulletin 610. Adequate material for computing weighted indexes for knit goods covering the period 1919-1922 are not available from the Bureau's records.

The foregoing revisions have necessitated in some instances changes in the weight factors which represent total employment and weekly pay rolls in the index-base period (1923-1925=100) and which are used to compute aggregates of employment and pay rolls. The weight factors for total manufacturing and the durable goods group were affected by the deletion of the railroad repair shop industry. The iron and steel group weight now includes stamped and enameled ware, which has been deducted from the nonferrous metals group. The previously published weight factors for the agricultural implements industry and the engines, turbines, tractors, and water wheels industry have been changed by the shift of tractor manufacturing employees from the engines, turbines, water wheels and windmills industry to the agricultural implement industry. The recomputation of the weighted index for the knit goods industry slightly changed the weight factors for that industry.

The method of adjustment used was similar to that used in making the adjustments to the 1933 Census. It differs slightly from the method described in Bulletin 610, "Revised Indexes of Factory Employment and Pay Rolls 1919 to 1933." The size and direction of the adjustments were the determining factors for the specific formula used. The use of this selective method necessitates in most instances a revision of the 1933 data rather than a beginning on the correction in the first month after the last Census adjustment. Averages for the year 1933, however, were not changed except in the case of specific revisions. For each of the months subsequent to 1935 the industry and group indexes were adjusted to the revised December 1935 level, although as previously mentioned, in some instances, the basic data were revised to improve the series before this adjustment was made. Otherwise, the new series of indexes continue virtually the same monthly movement as indicated by the formerly published series. A description of the method used in adjusting the indexes will be supplied upon request.

The accompanying tables contain (1) revised indexes of employment and pay rolls for all manufacturing industries combined during the period January 1919 to June 1938, (2) estimates of total factory wage earners and weekly pay rolls for the same period, (3) revised indexes for each of the separate industries, the various groups of industries, durable and nondurable goods groups and all manufacturing combined by years from 1923 to 1937, and by months from January 1931 to June 1938, and all revised group and general indexes prior to 1931.

September 1938

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SCHOOL OF BUSINESSU. S. DEPARTMENT OF LABOR
Bureau of Labor StatisticsGeneral Indexes of Factory Employment and Pay Rolls
By Months, January 1919 to June 1938

(1923-1925 = 100)

EMPLOYMENT

Year and Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Aver.
1919	104.5	101.2	101.7	101.9	102.6	103.9	106.6	109.3	111.3	110.9	112.1	113.9	106.7
1920	114.3	113.3	115.6	114.0	111.1	110.1	107.5	107.4	106.1	102.1	95.6	88.0	107.1
1921	79.5	81.7	82.9	82.3	82.0	81.2	79.7	81.1	83.0	83.7	83.7	82.7	82.0
1922	82.4	84.5	85.8	85.7	87.9	89.6	90.5	93.1	95.1	96.6	98.0	99.1	90.7
1923	100.2	102.4	104.6	105.1	105.2	105.7	104.6	104.8	105.3	104.0	102.8	101.1	103.8
1924	100.1	101.7	101.9	100.1	96.8	93.8	90.6	92.0	94.2	95.0	94.5	96.1	96.4
1925	96.6	98.3	99.2	99.1	98.6	98.4	98.3	100.0	101.9	102.6	102.2	101.8	99.8
1926	101.0	102.0	102.5	101.8	100.8	100.8	99.7	101.8	104.0	103.6	101.6	100.3	101.7
1927	98.6	100.2	100.9	100.3	99.6	99.7	98.6	99.9	101.2	100.2	98.0	96.5	99.5
1928	95.3	97.2	98.2	97.8	97.8	98.5	98.4	101.1	103.3	103.5	102.6	102.1	99.7
1929	101.7	104.1	105.4	106.7	106.5	106.8	107.3	109.2	110.3	109.0	104.6	100.7	106.0
1930	98.2	98.3	97.9	97.3	95.6	93.6	90.4	89.7	90.7	88.7	85.4	82.9	92.4
1931	80.1	80.8	81.2	81.2	80.6	78.8	77.7	77.9	78.3	75.5	72.7	72.0	78.1
1932	70.0	71.2	70.1	67.8	65.2	63.2	61.0	62.7	66.1	67.2	66.3	65.1	66.3
1933	63.3	64.7	62.3	63.9	66.8	71.6	76.2	81.3	85.0	84.6	81.2	79.5	73.4
1934	78.8	83.7	87.2	88.8	89.0	87.3	86.3	87.4	83.5	85.9	84.3	85.6	85.7
1935	86.6	89.6	91.1	91.3	90.0	88.3	88.9	91.7	93.8	95.2	94.5	94.0	91.3
1936	92.1	92.2	93.4	94.7	95.4	95.9	97.1	99.9	101.9	103.2	103.3	104.4	97.8
1937	102.7	105.3	107.7	108.8	108.9	107.5	108.0	109.1	109.0	107.2	101.1	94.5	105.8
1938	87.8	88.2	87.7	85.7	83.4	81.6							

PAY ROLLS

Year and Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Aver.
1919	93.8	89.3	90.0	89.2	90.1	92.7	95.6	101.7	106.3	103.6	107.8	115.4	98.0
1920	119.1	117.4	125.4	122.3	123.0	124.4	120.0	120.6	118.9	114.4	105.0	95.5	117.2
1921	80.6	80.1	81.0	78.8	77.4	75.6	71.6	73.6	73.3	71.9	70.9	72.7	75.6
1922	69.6	72.5	74.4	73.6	77.0	80.0	80.2	84.1	87.0	88.7	92.2	94.5	81.2
1923	93.9	97.6	102.6	103.8	107.3	107.2	102.9	103.1	103.8	105.9	103.9	102.7	102.9
1924	93.9	104.5	104.5	102.0	97.6	91.9	85.3	89.1	92.4	94.6	93.1	97.6	96.0
1925	96.0	101.0	102.8	100.4	101.4	99.2	97.5	100.1	99.4	105.3	105.1	105.5	101.1
1926	101.6	105.7	107.2	104.9	103.5	103.7	99.4	103.8	105.1	108.0	104.3	103.6	104.2
1927	98.6	104.8	106.6	105.0	104.8	103.2	99.1	102.5	102.1	102.7	98.9	100.0	102.4
1928	96.6	102.0	103.5	101.3	102.3	102.7	100.2	104.6	106.2	109.5	106.2	106.9	103.5
1929	103.3	110.8	113.0	114.1	114.3	112.7	108.6	113.5	114.4	113.7	104.9	101.2	110.4
1930	96.5	99.6	99.7	98.5	96.1	92.9	85.0	83.8	84.8	82.9	77.3	75.4	89.4
1931	70.3	74.4	75.9	74.7	73.6	69.9	66.6	66.4	63.8	61.3	58.3	57.3	67.8
1932	54.0	55.4	53.6	49.6	46.8	43.7	40.4	41.4	44.0	45.8	43.6	42.4	46.7
1933	40.3	41.4	38.3	40.4	44.4	49.1	52.7	58.6	61.3	61.1	57.3	56.5	50.1
1934	56.1	62.9	67.2	69.6	69.7	67.4	62.8	65.1	60.8	64.0	62.5	66.2	64.5
1935	67.5	72.6	74.3	74.4	71.7	69.9	69.1	74.0	76.7	79.4	78.6	80.4	74.1
1936	76.7	76.6	80.3	82.3	83.9	84.1	83.4	87.1	86.9	92.5	94.0	98.8	85.6
1937	94.4	99.7	105.5	109.3	109.7	107.0	104.6	108.2	104.4	104.5	92.9	34.2	102.0
1938	75.0	76.9	77.1	74.6	72.9	70.8							

September 1938

U. S. Bureau of Labor Statistics

ESTIMATED WEEKLY PAY ROLLS IN ALL MANUFACTURING INDUSTRIES BY MONTHS JANUARY 1919 TO JUNE 1938

Year	January	February	March	April	May	June	July	August	September	October	November	December	Average
1919	\$178,006,000	\$169,410,000	\$170,742,000	\$169,200,000	\$171,045,000	\$175,941,000	\$181,450,000	\$192,960,000	\$201,606,000	\$196,555,000	\$204,517,000	\$218,924,000	\$185,863,000
1920	225,924,000	222,807,000	238,025,000	232,095,000	233,363,000	236,128,000	227,669,000	228,815,000	225,626,000	217,056,000	199,286,000	181,154,000	222,329,000
1921	153,010,000	151,928,000	153,722,000	149,602,000	146,847,000	143,361,000	135,930,000	139,696,000	139,056,000	136,479,000	134,597,000	137,852,000	143,507,000
1922	132,036,000	137,646,000	141,174,000	139,651,000	146,022,000	151,788,000	152,236,000	159,523,000	165,151,000	168,340,000	174,998,000	179,249,000	153,985,000
1923	178,086,000	185,616,000	194,618,000	197,021,000	203,613,000	203,328,000	195,182,000	195,677,000	196,939,000	200,871,000	197,089,000	194,820,000	195,238,000
1924	187,667,000	198,275,000	198,250,000	193,590,000	185,178,000	174,385,000	161,900,000	169,103,000	175,299,000	179,420,000	176,612,000	185,203,000	182,074,000
1925	182,157,000	191,580,000	194,962,000	190,553,000	192,449,000	188,259,000	184,913,000	189,947,000	188,675,000	199,887,000	199,340,000	200,262,000	191,915,000
1926	192,787,000	200,637,000	203,381,000	198,997,000	196,429,000	196,808,000	188,691,000	196,945,000	199,334,000	204,995,000	197,978,000	196,504,000	197,791,000
1927	187,130,000	198,912,000	202,184,000	199,302,000	198,880,000	195,749,000	188,051,000	194,471,000	193,698,000	194,866,000	187,658,000	189,799,000	194,225,000
1928	183,206,000	193,500,000	196,384,000	192,228,000	194,157,000	194,784,000	190,138,000	198,552,000	201,482,000	207,834,000	201,434,000	202,920,000	196,385,000
1929	196,950,000	210,192,000	214,429,000	216,502,000	216,913,000	213,753,000	206,012,000	215,313,000	217,137,000	215,762,000	199,013,000	191,966,000	209,495,000
1930	183,083,000	188,976,000	189,211,000	186,981,000	182,384,000	176,172,000	161,309,000	159,039,000	160,637,000	157,386,000	146,594,000	143,064,000	169,586,000
1931	133,323,000	141,248,000	144,091,000	141,693,000	139,718,000	132,559,000	126,283,000	125,923,000	121,087,000	117,323,000	110,685,000	109,656,000	126,632,000
1932	102,452,000	105,158,000	101,681,000	94,147,000	88,782,000	82,845,000	76,736,000	78,495,000	83,493,000	86,907,000	82,740,000	80,384,000	88,652,000
1933	76,453,000	76,545,000	72,697,000	76,699,000	64,268,000	93,174,000	99,950,000	111,117,000	116,271,000	115,953,000	108,631,000	107,284,000	95,067,000
1934	106,471,000	119,321,000	127,575,000	132,139,000	132,171,000	127,972,000	119,199,000	123,564,000	115,455,000	121,391,000	118,498,000	125,673,000	122,454,000
1935	128,041,000	137,655,000	140,898,000	141,084,000	136,107,000	132,535,000	131,033,000	140,365,000	145,505,000	150,565,000	149,039,000	152,604,000	140,452,000
1936	145,540,000	145,284,000	152,413,000	156,234,000	159,096,000	159,529,000	158,255,000	165,189,000	164,909,000	175,436,000	178,412,000	187,373,000	162,306,000
1937	179,053,000	189,152,000	200,264,000	207,368,000	208,131,000	203,107,000	198,501,000	205,307,000	198,133,000	198,210,000	176,232,000	159,774,000	193,603,000
1938	142,373,000	145,938,000	146,320,000	141,505,000	138,262,000	134,271,000							

September 1938

U. S. Bureau of Labor Statistics

ESTIMATED NUMBER OF WAGE EARNERS IN ALL MANUFACTURING INDUSTRIES BY MONTHS JANUARY 1919 TO JUNE 1938

Year	January	February	March	April	May	June	July	August	September	October	November	December	Average
1919	8,244,900	7,989,200	8,026,500	8,044,300	8,098,800	8,199,800	8,414,600	8,629,000	8,787,800	8,751,600	8,844,300	8,969,200	8,418,400
1920	9,024,400	8,946,200	9,122,100	8,998,700	8,769,400	8,686,400	8,481,300	8,479,800	8,372,400	8,056,200	7,547,200	6,947,300	8,452,600
1921	6,274,900	6,451,600	6,543,200	6,496,900	6,475,100	6,405,600	6,289,600	6,400,500	6,551,700	6,603,000	6,604,900	6,530,100	6,468,900
1922	6,504,300	6,673,200	6,770,600	6,761,200	6,939,700	7,069,100	7,145,800	7,344,900	7,509,300	7,622,100	7,732,700	7,822,300	7,157,900
1923	7,909,100	8,085,700	8,258,100	8,294,500	8,307,300	8,345,500	8,255,500	8,272,600	8,309,300	8,206,800	8,110,400	7,981,300	8,194,700
1924	7,898,900	8,028,300	8,046,300	7,904,500	7,642,500	7,400,100	7,154,600	7,259,400	7,437,900	7,496,600	7,458,200	7,581,400	7,609,100
1925	7,623,200	7,761,800	7,833,700	7,823,700	7,781,900	7,768,700	7,759,700	7,894,900	8,045,800	8,100,900	8,070,500	8,035,400	7,875,000
1926	7,970,100	8,051,700	8,094,300	8,035,100	7,953,000	7,956,400	7,871,200	8,037,600	8,206,200	8,177,100	8,022,800	7,916,400	8,024,300
1927	7,782,000	7,905,700	7,964,800	7,914,600	7,862,600	7,869,300	7,782,500	7,888,500	7,987,100	7,907,900	7,733,200	7,620,000	7,851,500
1928	7,525,400	7,668,700	7,748,400	7,717,700	7,722,900	7,773,400	7,768,100	7,981,500	8,149,700	8,172,100	8,096,600	8,358,300	7,865,200
1929	8,025,800	8,216,700	8,320,000	8,419,400	8,409,800	8,430,300	8,473,000	8,622,400	8,706,100	8,602,300	8,253,000	7,946,900	8,368,800
1930	7,747,100	7,761,000	7,726,800	7,682,400	7,547,300	7,391,300	7,135,400	7,076,400	7,155,200	7,004,600	6,737,300	6,547,100	7,292,700
1931	6,321,200	6,375,600	6,412,800	6,411,300	6,363,000	6,221,500	6,133,200	6,151,500	6,178,400	5,957,600	5,741,300	5,679,600	6,162,300
1932	5,525,800	5,618,900	5,536,100	5,352,500	5,146,700	4,988,500	4,817,700	4,949,900	5,217,500	5,304,300	5,232,600	5,135,600	5,235,500
1933	4,996,100	5,109,500	4,915,800	5,042,900	5,275,700	5,648,700	6,014,500	6,421,000	6,705,900	6,674,000	6,409,800	6,272,500	5,790,500
1934	6,217,000	6,603,100	6,879,100	7,007,600	7,028,800	6,932,000	6,811,400	6,900,000	6,593,800	6,782,300	6,652,900	6,758,400	6,763,900
1935	6,838,700	7,070,500	7,192,200	7,206,900	7,102,300	6,966,900	7,013,000	7,238,400	7,402,400	7,516,000	7,459,400	7,416,800	7,202,000
1936	7,268,500	7,277,300	7,371,100	7,474,200	7,530,400	7,566,200	7,664,100	7,883,500	8,044,600	8,142,800	8,151,400	8,239,000	7,717,800
1937	8,108,800	8,313,400	8,503,500	8,586,400	8,596,100	8,485,800	8,523,800	8,611,500	8,602,400	8,465,200	7,977,400	7,461,400	8,353,000
1938	6,933,600	6,963,900	6,924,300	6,764,200	6,585,500	6,438,700							

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September 1938

U. S. DEPARTMENT OF LABOR
Bureau of Labor Statistics
Washington, D. C.

Revised Index Numbers of Factory Employment and Pay Rolls

Index numbers of factory employment and pay rolls regularly published by the Bureau of Labor Statistics are shown in the accompanying tables on a revised basis. Annual indexes are presented for the years 1923 to 1937, and monthly indexes from January 1931 to June 1938. The base for these indexes is the average for the years 1923-24-25.

The index numbers over the period January 1931 to June 1938, which had previously been adjusted to conform to the levels indicated by the annual averages shown in the Census of Manufactures' reports for 1933, have been further revised to conform to the 1935 Census totals, and additional changes have also been incorporated. The accompanying tables present indexes adjusted to the data shown by the Census of Manufactures in all years from 1919 through 1935, and supersede the previously published series.

A continuous series of employment and pay-roll indexes over the period January 1919 to June 1938 may be secured by using the indexes shown in Bulletin 610 "Revised Indexes of Factory Employment and Pay Rolls" for the years 1919 to 1930 and the accompanying tables for later years. Where revisions have been made in the indexes prior to January 1931, the revised monthly indexes are given in the attached tables, and should be substituted for the series shown in Bulletin 610.

The principal change in addition to the adjustment to the Census of 1935, is the elimination of the railroad repair shop group from the revised series. This necessitated revision in the Bureau's general indexes of employment and pay rolls over the period 1919-1938, and in the durable and nondurable goods indexes from 1933 to date. (Adequate basic materials for computing indexes for the period January 1919 to December 1922 are not available). The indexes of the iron and steel group have been recomputed from January 1919 to date and the indexes for the nonferrous metal group from January 1923 to date because of changes in the composition of those two groups in the 1935 Census.

The indexes for the machinery, lumber, food, and chemical groups which were previously revised because of changes in the composition of the corresponding Census groups in 1933 are again presented for all available years in the accompanying tables.

The basic data for the agricultural implements and the engines, turbines, tractors, and waterwheels industries have been revised from 1923 to date and the new indexes computed because of the transfer of tractor firms from engines, turbines, tractors, and waterwheels to agricultural implements. A new series of indexes is also presented for knit goods for the period January 1923 to date, and for the four subdivisions of this industry. In the new series, the knit goods industry index is weighted by the importance of the four subdivisions comprising the total, whereas the previous series was unweighted. For industry and group indexes other than the foregoing for the period January 1919 to December 1930, see Bulletin 610.

The list of industries and industry groups and the page numbers on which the indexes of these industries or groups appear, follows:

	Page
TOTAL MANUFACTURING	1,2,45,46,55
DURABLE GOODS GROUP:	1,2,45,46
NONDURABLE GOODS GROUP:	1,2,45,46
IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY:	3,4,47,48,55
Blast furnaces, steel works, and rolling mills	3,4
Bolts, nuts, washers, and rivets	3,4
Cast-iron pipe	3,4
Cutlery (not including silver and plated cutlery), and edge tools	3,4
Forgings, iron and steel	5,6
Hardware	5,6
Plumbers' supplies	5,6
Stamped and enameled ware	5,6
Steam and hot-water heating apparatus and steam fittings	5,6
Stoves	7,8
Structural and ornamental metalwork	7,8
Tin cans and other tinware	7,8
Tools (not including edge tools, machine tools, files, and saws)	7,8
Wirework	7,8
MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT:	9,10,47,48,55
Agricultural implements (including tractors)	9,10,47,48
Cash registers, adding machines, and calculating machines	9,10
Electrical machinery, apparatus, and supplies	9,10
Engines, turbines, water wheels, and windmills	9,10,47,48
Foundry and machine-shop products	11,12
Machine tools	11,12
Radios and phonographs	11,12
Textile machinery and parts	11,12
Typewriters and parts	11,12
TRANSPORTATION EQUIPMENT:	13,14
Aircraft	13,14
Automobiles	13,14
Cars, electric- and steam-railroad	13,14
Locomotives	13,14
Shiitbuilding	15,16

NONFERROUS METALS AND THEIR PRODUCTS:	
Aluminum manufactures	15,16
Brass, bronze, and copper products	15,16
Clocks and watches and time-recording devices	15,16
Jewelry	17,18
Lighting equipment	17,18
Silverware and plated ware	17,18
Smelting and refining--copper, lead, and zinc	17,18
LUMBER AND ALLIED PRODUCTS:	
Furniture	19,20
Lumber:	
Millwork	19,20
Sawmills	19,20
STONE, CLAY, AND GLASS PRODUCTS:	
Brick, tile, and terra cotta	21,22
Cement	21,22
Glass	21,22
Marble, granite, slate, and other products	21,22
Pottery	23,24
TEXTILES AND THEIR PRODUCTS:	
Fabrics	23,24
Carpets and rugs	23,24
Cotton goods	23,24
Cotton small wares	25,26
Dyeing and finishing textiles	25,26
Hats, fur-felt	25,26
Knit goods (Weighted):	
Hosiery	25,26,51,52,53,54
Knitted outerwear	51,52,53,54
Knitted underwear	51,52,53,54
Knitted cloth	51,52,53,54
Silk and rayon goods	25,26
Woolen and worsted goods	27,28
Wearing apparel	27,28
Clothing, men's	27,28
Clothing, women's	27,28
Corsets and allied garments	27,28
Men's furnishings	29,30
Millinery	29,30
Shirts and collars	29,30
LEATHER AND ITS MANUFACTURES:	
Boots and shoes	29,30
Leather	31,32
FOOD AND KINDRED PRODUCTS:	
Baking	31,32
Beverages	31,32
Butter	31,32
Canning and preserving	33,34
Confectionery	33,34
Flour	33,34
Ice cream	33,34
Slaughtering and meat packing	33,34
Sugar, beet	35,36
Sugar refining, cane	35,36
TOBACCO MANUFACTURES:	
Chewing and smoking tobacco and snuff	35,36
Cigars and cigarettes	35,36
PAPER AND PRINTING:	
Boxes, paper	37,38
Paper and pulp	37,38
Printing and publishing:	
Book and job	37,38
Newspapers and periodicals	37,38
CHEMICALS AND ALLIED PRODUCTS, AND PETROLEUM REFINING:	
Other than petroleum refining	39,40,49,50
Chemicals	39,40
Cottonseed--oil, cake, and meal	39,40
Druggists' preparations	39,40
Explosives	41,42
Fertilizers	41,42
Paints and varnishes	41,42
Rayon and allied products	41,42
Soap	41,42
Petroleum refining	43,44
RUBBER PRODUCTS:	
Rubber boots and shoes	43,44
Rubber goods, other than boots, shoes, tires, and inner tubes	43,44
Rubber tires and inner tubes	43,44

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INDEXES OF EMPLOYMENT AND PAY ROLLS IN ALL MANUFACTURING INDUSTRIES COMBINED
AND IN THE DURABLE AND NONDURABLE GOODS GROUPS
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	TOTAL ALL INDUSTRIES		DURABLE GOODS GROUP		NONDURABLE GOODS GROUP	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	103.8	102.9	104.1	103.2	103.6	102.5
1924...	95.4	96.0	96.4	95.9	96.4	96.1
1925...	99.8	101.1	99.5	100.9	100.0	101.4
1926...	101.7	104.2	102.5	104.8	100.9	103.6
1927...	99.5	102.4	96.5	98.9	102.3	106.3
1928...	99.7	103.5	97.7	102.3	101.6	104.9
1929...	106.0	110.4	106.2	111.2	105.9	109.6
1930...	92.4	89.4	87.6	83.8	96.9	95.6
1931...	78.1	67.8	67.7	55.6	87.9	81.4
1932...	66.3	46.7	52.8	33.4	79.2	61.6
1933...	73.4	50.1	57.5	36.8	88.5	65.0
1934...	85.7	64.5	73.0	52.5	97.3	78.0
1935...	91.3	74.1	81.3	65.0	100.7	84.2
1936...	97.8	85.6	91.5	81.7	103.8	89.9
1937...	105.8	102.0	104.0	103.5	107.6	100.4
1931						
Jan...	80.1	70.3	72.3	59.1	87.5	82.8
Feb...	80.3	74.4	72.4	63.7	88.7	86.5
Mar...	81.2	75.9	72.5	65.2	89.5	87.9
Apr...	81.2	74.7	72.6	64.6	89.4	86.0
May...	80.6	73.6	71.9	63.7	88.9	84.8
Jun...	78.8	69.9	69.3	58.7	87.4	82.4
Jul...	77.7	66.6	67.1	53.6	87.3	81.1
Aug...	77.9	66.4	65.8	52.2	89.5	82.2
Sep...	78.3	63.8	65.0	48.8	90.9	80.6
Oct...	75.5	61.8	62.2	47.7	88.1	77.7
Nov...	72.7	58.3	60.6	45.3	84.3	72.9
Dec...	72.0	57.8	60.2	44.9	83.2	72.3
1932						
Jan...	70.0	54.0	58.1	40.7	81.4	68.9
Feb...	71.2	55.4	58.8	41.8	83.0	70.6
Mar...	70.1	53.6	57.5	39.5	82.1	69.3
Apr...	67.8	49.6	55.5	36.9	79.5	63.8
May...	65.2	46.8	54.0	35.8	75.9	59.1
Jun...	63.2	43.7	52.5	32.6	73.4	56.1
Jul...	61.0	40.4	50.1	29.4	71.5	52.8
Aug...	62.7	41.4	48.9	27.9	75.9	56.4
Sep...	66.1	44.0	49.2	27.9	82.2	62.1
Oct...	67.2	45.8	49.6	29.8	83.9	63.8
Nov...	66.3	43.6	50.0	29.5	81.8	59.4
Dec...	65.1	42.4	49.6	29.0	79.3	57.4
1933						
Jan...	63.3	40.3	47.7	27.5	78.1	54.6
Feb...	64.7	41.4	48.6	27.8	80.1	56.6
Mar...	62.3	38.3	46.8	25.8	77.0	52.4
Apr...	63.9	40.4	47.9	27.5	79.1	54.8
May...	66.8	44.4	50.9	32.0	82.0	58.3
Jun...	71.6	49.1	55.3	36.4	87.1	63.3
Jul...	76.2	52.7	59.8	39.6	91.8	67.3
Aug...	81.3	58.6	65.0	45.2	97.0	73.5
Sep...	85.0	61.3	68.3	46.0	100.8	78.4
Oct...	84.6	61.1	68.0	46.3	100.3	77.7
Nov...	81.2	57.3	66.1	43.6	95.6	72.5
Dec...	79.5	56.5	65.8	43.8	92.5	70.8

1/ Revised from 1919 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 45 and 46, and monthly and yearly indexes, 1919 to 1922, on page 55.

2/ Revised from 1923 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 45 and 46.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN ALL MANUFACTURING INDUSTRIES COMBINED
AND IN THE DURABLE AND NONDURABLE GOODS GROUPS

By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	TOTAL ALL INDUSTRIES		DURABLE GOODS GROUP		NONDURABLE GOODS GROUP	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934						
Jan...	78.8	56.1	65.2	43.2	91.7	70.6
Feb...	83.7	62.9	69.6	49.7	97.0	77.6
Mar...	87.2	67.2	73.8	55.0	99.9	81.0
Apr...	88.8	69.6	77.0	59.8	100.0	80.7
May...	89.0	69.7	78.8	61.2	98.8	79.1
Jun...	87.8	57.4	78.1	59.5	97.1	76.4
Jul...	86.3	62.8	75.7	51.7	96.4	75.3
Aug...	87.4	65.1	73.6	52.1	100.6	79.7
Sep...	83.5	60.8	71.5	47.6	95.0	75.6
Oct...	85.9	64.0	70.2	48.7	100.9	81.0
Nov...	84.3	62.5	69.8	48.7	98.0	77.9
Dec...	85.6	66.2	72.3	53.3	98.3	80.7
1935						
Jan...	86.6	67.5	74.7	55.8	98.0	80.5
Feb...	89.6	72.6	78.6	62.4	100.0	84.0
Mar...	91.1	74.3	80.6	64.4	101.1	85.3
Apr...	91.3	74.4	81.7	65.7	100.5	84.0
May...	90.0	71.7	81.2	63.5	98.3	81.0
Jun...	88.3	69.9	78.9	60.9	97.2	79.9
Jul...	88.9	69.1	79.0	59.2	98.2	80.1
Aug...	91.7	74.0	80.6	63.5	102.2	85.7
Sep...	93.8	76.7	81.5	65.6	105.5	89.1
Oct...	95.2	79.4	85.5	71.4	104.5	88.3
Nov...	94.5	78.6	86.7	72.9	102.0	84.8
Dec...	94.0	80.4	86.3	74.5	101.3	87.1
1936						
Jan...	92.1	76.7	84.6	69.9	99.2	84.3
Feb...	92.2	76.6	84.4	63.9	99.6	85.1
Mar...	93.4	80.3	86.0	74.2	100.5	87.2
Apr...	94.7	82.3	88.5	79.3	100.6	85.8
May...	95.4	83.9	90.6	82.1	100.0	85.8
Jun...	95.9	84.1	91.4	82.6	100.1	85.7
Jul...	97.1	83.4	91.7	79.7	102.2	87.6
Aug...	99.9	87.1	91.9	80.8	107.5	94.0
Sep...	101.9	86.9	93.0	81.0	110.4	93.5
Oct...	103.2	92.5	96.7	89.6	109.3	95.7
Nov...	103.3	94.0	98.7	93.4	107.6	94.7
Dec...	104.4	93.8	100.5	93.4	108.0	99.2
1937						
Jan...	102.7	94.4	97.9	91.2	107.3	97.9
Feb...	105.3	99.7	101.2	97.9	109.3	101.7
Mar...	107.7	105.5	104.8	105.1	110.5	105.0
Apr...	108.8	109.3	107.4	113.3	110.1	104.8
May...	108.9	109.7	109.0	114.6	108.9	104.2
Jun...	107.5	107.0	107.5	111.1	107.5	102.5
Jul...	108.0	104.6	107.8	107.3	108.2	101.7
Aug...	109.1	108.2	107.0	110.5	111.1	105.7
Sep...	109.0	104.4	106.3	105.8	111.5	102.9
Oct...	107.2	104.5	106.6	105.2	107.8	100.3
Nov...	101.1	92.9	100.8	94.8	101.4	90.8
Dec...	94.5	84.2	91.7	81.0	97.2	87.7
1938						
Jan...	87.8	75.0	81.7	67.1	93.7	84.0
Feb...	88.2	76.9	80.1	67.2	95.9	87.8
Mar...	87.7	77.1	79.3	67.4	95.8	87.9
Apr...	85.7	74.6	77.0	65.6	94.0	84.7
May...	83.4	72.9	75.0	64.2	91.5	82.6
Jun...	81.6	70.8	72.4	61.7	90.3	80.9

See footnotes on page 1.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Iron and steel and their products, not including machinery									
	"IRON & STEEL" Group 1		Blast furnaces, steel works, and rolling mills		Bolts, nuts, washers, and rivets		Cast-iron pipe		Cutlery (not in- cluding silver & plated cutlery) & edge tools	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	104.1	103.5	104.5	104.5	112.5	111.5	96.0	94.6	99.6	97.9
1924...	97.0	96.5	97.1	96.5	89.5	89.5	101.6	101.7	102.4	101.8
1925...	98.9	100.0	98.4	99.0	98.0	99.0	102.4	103.7	98.0	100.3
1926...	102.3	104.8	101.0	103.0	--	--	110.1	110.5	--	--
1927...	97.1	98.5	95.7	96.7	96.0	95.6	101.8	98.2	94.6	93.7
1928...	97.0	100.6	96.2	100.6	--	--	92.4	85.3	--	--
1929...	103.3	108.3	103.2	109.6	114.0	122.0	87.8	85.2	89.5	87.5
1930...	89.9	86.3	90.3	87.7	--	--	80.4	75.3	--	--
1931...	70.3	55.7	68.4	53.6	74.2	56.2	71.5	55.1	74.2	60.4
1932...	57.4	31.3	57.8	27.4	55.2	32.5	46.3	25.1	67.4	47.2
1933...	65.8	39.9	71.0	40.5	59.8	39.5	42.1	22.1	64.5	43.8
1934...	80.2	53.9	86.2	55.0	76.0	57.2	57.5	34.0	80.0	59.0
1935...	87.1	66.5	92.1	68.7	88.1	73.8	60.3	39.2	81.9	67.0
1936...	99.0	86.6	105.4	92.2	99.5	93.3	69.9	54.4	84.6	74.1
1937...	111.4	109.8	120.0	120.5	113.6	114.6	73.7	65.2	93.7	87.9
1931										
Jan...	75.5	62.3	76.5	62.7	77.9	59.9	67.4	54.9	76.1	65.0
Feb...	75.4	67.0	75.7	69.1	78.6	63.6	71.2	59.3	76.7	65.4
Mar...	75.8	69.0	75.9	71.8	79.4	65.9	73.6	64.0	77.4	68.1
Apr...	75.5	68.0	75.4	70.9	79.0	65.7	76.5	63.3	78.5	65.4
May...	73.4	63.9	72.6	64.9	79.3	64.6	77.3	65.6	74.9	64.8
Jun...	70.6	57.4	68.3	55.7	78.8	61.9	75.6	57.6	73.7	60.0
Jul...	69.3	52.9	67.3	49.3	74.6	54.4	74.5	57.8	72.4	59.6
Aug...	68.7	51.6	65.7	47.0	73.5	53.8	73.2	53.0	71.4	55.6
Sep...	66.8	46.5	62.9	40.5	68.6	46.9	69.8	45.7	72.4	52.5
Oct...	65.3	45.3	60.6	38.1	68.5	46.7	67.5	44.8	72.7	57.4
Nov...	64.1	42.6	59.8	35.9	66.4	45.0	66.0	44.3	72.6	56.6
Dec...	63.4	42.1	60.4	36.8	65.8	45.4	65.5	45.4	71.8	54.6
1932										
Jan...	61.6	37.7	60.6	33.0	65.3	43.6	60.9	37.5	70.3	52.2
Feb...	62.3	38.7	61.4	34.6	64.1	42.4	56.5	34.4	73.8	56.4
Mar...	61.5	37.3	61.0	33.4	60.9	38.5	51.4	31.5	74.3	55.1
Apr...	59.9	34.3	59.9	30.4	53.7	35.3	47.4	28.6	74.7	55.6
May...	58.0	32.8	58.4	29.5	51.9	31.0	45.9	25.2	73.2	53.4
Jun...	56.5	29.4	56.6	25.0	55.5	31.9	42.8	22.4	68.3	46.7
Jul...	53.5	25.5	54.2	21.6	53.5	27.9	44.1	21.9	61.5	40.7
Aug...	53.1	25.7	53.6	21.7	50.8	25.5	42.4	20.5	62.3	39.9
Sep...	54.5	27.4	55.1	22.8	50.8	25.8	39.1	20.7	62.9	39.5
Oct...	56.0	29.9	57.2	25.7	51.5	29.3	41.5	19.6	63.6	44.3
Nov...	56.5	29.2	58.0	25.9	50.2	30.0	42.3	19.1	63.3	42.9
Dec...	54.9	27.4	57.6	25.0	49.7	29.1	41.1	19.9	60.5	39.9
1933										
Jan...	52.5	26.0	56.7	24.9	47.4	26.4	38.5	17.9	56.8	35.9
Feb...	55.1	28.1	59.4	27.2	47.5	27.5	33.8	15.5	58.2	38.9
Mar...	53.0	26.2	57.2	25.3	44.7	23.0	28.4	15.3	53.1	27.1
Apr...	54.8	28.2	59.0	27.5	45.8	24.1	34.2	17.1	54.6	31.8
May...	58.0	33.6	62.3	33.0	48.9	30.4	35.7	18.2	56.8	37.4
Jun...	63.2	40.0	67.7	40.2	56.4	40.5	42.4	22.0	59.4	42.2
Jul...	69.3	45.0	75.3	46.8	65.8	46.2	46.1	24.5	60.6	45.2
Aug...	76.0	53.5	83.1	58.5	72.2	50.5	47.1	25.8	67.9	47.8
Sep...	79.1	51.3	85.2	53.3	74.5	51.8	49.1	25.0	74.4	52.0
Oct...	77.8	51.5	83.7	53.4	73.4	52.4	50.7	26.1	78.1	55.7
Nov...	75.7	47.2	81.5	47.6	71.4	52.0	43.7	27.0	77.8	55.9
Dec...	74.6	47.6	80.8	48.4	69.3	49.7	50.9	31.0	76.5	57.0

¹/Revised from 1912 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 47 and 48, and monthly and yearly indexes 1919 to 1922 on page 55.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Iron and steel and their products, not including machinery									
	"IRON & STEEL" Group 1/		Blast furnaces, steel works, and rolling mills		Bolts, nuts, washers, and rivets		Cast-iron pipe		Cutlery (not in- cluding silver & plated cutlery), & edge tools	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	72.6	45.6	78.6	46.3	67.1	48.4	55.2	31.9	72.1	51.7
Feb...	76.4	50.8	81.6	51.8	71.4	55.0	54.4	31.2	75.6	55.9
Mar...	80.4	56.7	85.1	58.6	73.9	59.8	53.5	30.6	81.6	59.1
Apr...	83.9	62.8	88.7	66.6	78.2	65.5	57.0	33.3	84.3	62.8
May...	86.8	67.3	93.4	74.1	82.0	69.4	57.0	35.8	82.6	61.2
Jun...	87.7	68.2	96.4	77.2	81.1	66.6	59.9	34.9	79.7	57.4
Jul...	86.6	52.4	98.6	53.4	78.0	58.6	58.9	33.8	75.8	55.2
Aug...	79.6	50.0	85.5	49.0	77.2	57.3	61.3	36.2	80.8	56.0
Sep...	76.6	45.0	80.5	41.4	73.2	44.9	59.8	35.5	80.5	57.5
Oct...	76.5	47.0	80.8	43.4	75.0	49.7	58.7	35.0	83.1	61.9
Nov...	76.8	48.6	81.6	46.2	75.7	51.2	57.5	34.2	83.3	63.7
Dec...	78.2	52.7	83.0	51.5	79.0	60.2	57.1	35.7	80.5	65.2
1935										
Jan...	80.8	57.9	86.2	59.8	85.2	69.0	58.6	35.3	79.5	61.2
Feb...	84.7	66.0	90.6	70.9	83.9	71.1	57.9	35.1	82.4	66.6
Mar...	86.4	66.4	92.1	70.2	85.1	73.9	58.6	35.1	83.8	67.3
Apr...	86.7	66.2	91.8	69.1	87.5	75.8	57.4	36.8	83.3	65.2
May...	86.8	64.9	91.8	67.7	88.2	73.8	59.6	38.4	81.7	65.3
Jun...	85.6	61.6	90.6	62.8	86.6	66.9	61.7	40.3	81.1	65.2
Jul...	84.9	58.0	89.8	57.8	85.5	64.2	62.7	39.8	75.0	60.4
Aug...	86.9	65.7	92.2	68.1	87.3	71.2	60.9	40.1	79.3	66.5
Sep...	88.5	69.3	93.2	71.1	89.0	73.7	61.7	41.1	81.3	66.5
Oct...	90.8	72.8	94.6	73.2	91.8	80.5	60.6	40.1	84.0	71.0
Nov...	91.6	72.7	95.4	73.5	93.2	79.5	61.1	41.8	85.6	73.8
Dec...	91.8	76.9	96.4	79.8	93.6	85.3	62.7	45.9	85.8	77.3
1936										
Jan...	90.7	71.9	96.5	75.5	94.9	84.7	63.3	44.2	84.2	70.2
Feb...	90.8	72.5	95.9	75.7	93.6	80.8	64.4	45.9	84.7	70.4
Mar...	91.9	77.8	96.9	81.9	92.8	82.1	65.5	46.9	83.8	68.5
Apr...	94.3	82.1	99.7	87.8	96.9	92.9	67.3	50.0	82.5	70.0
May...	96.5	85.1	102.9	91.5	97.5	92.1	69.0	54.8	81.0	67.6
Jun...	97.8	86.7	104.1	93.1	98.1	88.8	71.4	56.4	81.3	71.1
Jul...	99.4	83.6	107.4	91.1	99.4	88.3	73.0	56.7	78.2	64.9
Aug...	101.8	88.9	110.4	96.6	100.2	92.5	73.5	58.9	81.5	72.2
Sep...	103.9	89.2	112.0	96.3	101.0	92.0	72.6	55.1	84.7	73.8
Oct...	106.0	96.3	112.7	100.3	103.3	102.9	73.0	60.5	88.6	83.0
Nov...	106.5	98.6	112.5	103.4	106.1	105.3	72.1	58.7	91.5	87.4
Dec...	107.8	106.2	114.2	113.7	110.3	116.9	73.7	64.5	92.9	90.6
1937										
Jan...	107.4	102.3	116.5	114.2	114.4	116.2	75.1	62.4	92.9	85.1
Feb...	110.9	106.6	118.6	116.7	116.8	125.7	74.2	63.9	94.0	85.5
Mar...	114.4	115.1	122.3	125.3	118.7	128.6	76.4	68.9	95.3	89.1
Apr...	116.6	126.9	125.5	143.4	122.7	137.9	78.5	76.4	95.7	91.3
May...	117.9	127.2	127.4	143.4	123.5	133.0	79.2	77.6	94.9	92.1
Jun...	108.8	113.0	110.9	121.6	107.8	109.4	78.2	74.2	92.0	91.4
Jul...	114.7	115.4	125.2	130.4	115.6	109.8	76.5	66.6	89.6	82.7
Aug...	115.7	122.4	126.3	140.2	114.1	118.1	74.8	66.5	95.1	90.1
Sep...	116.1	115.0	126.8	127.8	115.2	113.6	71.9	60.7	95.8	91.9
Oct...	113.2	109.8	122.7	117.1	111.6	113.6	68.8	57.6	95.8	91.0
Nov...	105.0	88.7	113.4	91.5	105.8	92.0	64.2	52.9	94.1	85.4
Dec...	96.3	74.6	104.0	74.4	96.6	77.2	66.6	55.1	89.5	79.1
1938										
Jan...	86.4	60.9	94.5	60.7	83.1	57.4	61.4	44.7	82.7	66.6
Feb...	85.3	63.2	92.7	63.7	83.2	61.9	60.6	43.8	82.8	67.2
Mar...	84.4	64.3	90.9	64.5	81.1	61.6	61.5	43.5	80.4	66.9
Apr...	82.3	63.3	88.2	64.3	80.0	59.9	63.3	50.5	80.0	63.6
May...	80.7	62.7	85.8	62.9	80.7	65.0	63.3	50.6	76.6	61.7
Jun...	77.8	59.1	82.3	58.1	77.3	61.1	63.5	51.1	75.4	61.5

1/Revised from 1919 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 47 and 48, and monthly and yearly indexes 1919 to 1922 on page 55.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Iron and steel and their products, not including machinery									
	Forgings—iron and steel		Hardware		Plumbers' supplies		Stamped and enameled ware		Steam and hot- water heating apparatus and steam fittings	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	116.5	113.9	101.6	100.1	89.9	89.5	110.1	111.2	102.2	101.7
1924...	97.4	97.4	96.6	96.3	100.1	100.0	95.7	92.8	97.7	98.0
1925...	86.1	88.7	101.8	103.6	110.0	110.5	94.2	96.0	100.1	100.3
1926...	--	--	100.8	106.3	--	--	96.9	98.3	102.6	105.5
1927...	65.5	66.7	93.0	96.1	96.7	94.6	93.0	95.7	99.3	101.6
1928...	--	--	92.8	96.0	--	--	104.1	103.0	92.4	94.4
1929...	87.8	97.8	101.7	106.9	92.5	87.2	120.5	125.6	91.6	92.4
1930...	--	--	88.6	81.6	--	--	106.3	104.9	78.3	69.0
1931...	41.9	32.5	70.3	58.9	65.1	48.0	85.4	76.8	67.1	46.3
1932...	32.1	17.9	58.9	38.4	48.3	27.3	79.5	56.5	47.4	26.8
1933...	33.4	20.9	63.4	42.6	52.6	30.3	97.2	66.7	51.6	30.6
1934...	46.3	34.4	76.5	56.5	46.3	29.4	131.9	102.3	58.9	39.6
1935...	51.5	42.9	80.6	67.0	66.6	50.0	150.5	128.2	62.7	45.1
1936...	58.6	52.8	85.5	80.7	75.9	60.4	160.2	147.4	75.6	60.9
1937...	69.4	68.4	99.0	100.8	82.6	72.0	171.6	169.1	86.1	77.7
1931										
Jan...	45.6	36.3	76.6	64.9	70.4	50.7	87.5	74.4	73.8	57.8
Feb...	42.5	34.6	75.5	65.8	70.3	52.7	91.4	91.6	72.8	57.5
Mar...	41.3	35.4	75.1	67.2	69.3	50.7	89.5	90.7	73.0	54.2
Apr...	40.9	38.2	74.3	65.5	65.5	47.5	90.4	90.1	70.2	50.9
May...	40.3	35.4	73.1	65.1	64.8	48.6	87.4	84.2	68.1	47.5
Jun...	38.9	30.2	71.3	60.1	64.9	48.4	86.9	80.6	66.7	45.2
Jul...	39.6	30.1	68.9	55.2	65.9	51.0	84.4	70.6	65.3	43.4
Aug...	42.4	32.2	66.3	55.2	64.0	50.6	83.6	72.6	63.2	42.1
Sep...	43.0	28.3	65.8	49.7	62.2	45.1	84.4	71.9	62.8	38.6
Oct...	41.8	28.9	66.2	53.6	63.4	47.9	82.4	69.2	65.7	43.5
Nov...	44.1	30.8	65.8	52.2	61.5	42.4	79.1	63.7	63.5	38.9
Dec...	42.0	29.1	65.1	51.8	58.5	40.5	78.0	62.1	59.5	35.6
1932										
Jan...	39.6	25.7	64.2	49.1	58.9	34.8	75.3	55.3	54.8	30.7
Feb...	39.1	25.4	63.7	47.3	57.1	34.2	79.3	61.6	56.0	32.5
Mar...	39.3	24.0	63.2	46.1	53.9	31.4	81.9	63.8	54.5	30.1
Apr...	33.3	18.9	61.7	41.9	52.9	30.0	80.7	61.2	49.1	27.7
May...	33.9	18.8	59.4	38.3	52.1	29.9	80.5	58.5	42.5	24.3
Jun...	32.3	17.9	58.8	37.1	51.4	29.7	78.7	55.3	42.6	24.6
Jul...	29.8	17.1	54.1	30.6	49.3	24.5	73.9	48.0	41.2	22.6
Aug...	28.3	13.5	53.2	30.2	47.0	27.2	75.1	49.7	42.1	23.1
Sep...	26.1	11.3	55.7	32.7	39.2	21.7	81.3	56.8	45.1	25.1
Oct...	28.9	13.6	56.9	35.2	39.7	22.5	80.8	57.6	47.5	28.8
Nov...	27.2	13.7	58.0	35.7	43.1	25.0	84.6	57.2	49.1	27.6
Dec...	27.1	14.5	58.3	36.9	34.9	16.3	81.8	52.5	43.7	24.2
1933										
Jan...	26.4	13.8	57.1	34.1	32.9	14.9	77.1	48.4	40.5	21.8
Feb...	25.2	12.3	58.2	35.4	41.6	20.0	84.0	54.6	45.0	23.8
Mar...	24.0	10.8	56.5	32.7	45.0	25.5	79.3	49.9	39.8	21.7
Apr...	24.0	10.9	57.0	33.4	40.2	21.2	84.4	54.4	44.2	24.1
May...	27.0	16.0	59.0	38.4	51.2	32.8	88.2	60.0	47.7	28.5
Jun...	31.1	20.7	63.5	44.8	59.9	40.6	94.5	65.9	51.8	32.2
Jul...	33.5	22.3	67.0	49.5	63.6	38.1	99.7	63.7	55.5	34.8
Aug...	39.0	27.6	71.1	51.2	63.0	38.2	109.5	77.6	60.0	38.2
Sep...	43.4	26.7	70.3	49.3	68.6	42.0	113.2	78.7	62.2	37.9
Oct...	39.4	27.3	66.2	45.7	63.4	36.5	114.8	82.2	57.7	35.0
Nov...	43.3	30.1	65.8	45.2	52.4	26.7	111.5	80.5	58.6	34.7
Dec...	44.2	31.9	68.7	51.2	49.5	26.4	110.7	79.1	56.7	34.8

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Iron and steel and their products, not including machinery									
	Forgings—iron and steel		Hardware		Plumbers' supplies		Stamped and enameled ware		Steam and hot- water heating apparatus and steam fittings	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	45.1	32.8	77.6	56.1	40.1	21.3	111.1	83.0	55.0	35.4
Feb...	47.4	37.6	82.9	62.6	48.2	26.3	124.7	97.7	57.3	37.4
Mar...	52.5	42.2	90.4	72.6	49.0	27.5	139.2	109.3	57.8	38.1
Apr...	50.2	41.2	95.6	78.8	47.3	27.4	151.7	119.3	58.1	39.4
May...	51.5	40.1	91.8	68.7	46.7	28.4	148.0	116.6	59.5	41.0
Jun...	50.0	37.5	81.4	57.6	52.6	33.8	139.9	108.0	61.2	42.2
Jul...	43.7	30.0	71.8	47.8	43.2	28.2	133.1	94.8	59.0	40.6
Aug...	44.0	30.2	71.1	51.9	41.8	27.7	127.8	93.0	58.9	38.6
Sep...	40.1	25.3	63.1	38.8	44.4	27.2	125.4	92.8	59.4	39.8
Oct...	41.6	27.3	60.6	42.4	47.2	33.4	123.4	98.5	60.7	41.9
Nov...	43.1	31.1	62.2	45.6	46.1	33.8	124.4	101.4	60.5	41.6
Dec...	46.5	37.7	69.2	55.3	49.2	37.2	134.0	112.7	59.1	39.4
1935										
Jan...	48.5	39.5	78.1	60.0	52.4	38.3	141.2	114.8	57.3	39.4
Feb...	51.6	44.8	85.2	72.1	55.7	41.1	149.4	125.4	59.3	41.2
Mar...	52.5	46.2	85.4	69.0	56.2	42.2	157.2	134.0	60.3	41.7
Apr...	53.2	45.8	82.1	66.3	56.9	43.0	157.2	133.0	60.1	42.1
May...	50.8	41.6	80.1	60.4	60.6	45.0	154.4	127.3	61.3	43.1
Jun...	48.8	36.3	77.3	61.1	64.1	46.7	144.6	114.9	61.0	42.3
Jul...	48.2	33.6	74.0	55.8	71.4	50.2	140.0	109.8	58.5	39.2
Aug...	49.1	40.7	72.9	55.8	74.7	56.0	140.6	119.9	62.9	45.0
Sep...	51.4	42.5	77.9	65.2	76.9	59.2	147.2	129.3	65.0	49.2
Oct...	52.9	44.7	83.8	74.6	78.6	62.3	153.9	139.2	68.9	55.1
Nov...	54.6	47.5	85.7	80.3	76.5	57.3	158.3	141.1	70.1	52.1
Dec...	56.3	51.2	86.8	83.0	75.2	58.4	161.9	149.5	67.7	50.8
1936										
Jan...	56.5	48.1	86.6	76.1	73.6	53.1	154.1	129.9	65.4	48.7
Feb...	55.5	48.5	85.0	71.8	75.1	58.5	153.0	129.2	68.3	51.4
Mar...	55.8	50.6	83.0	73.0	75.9	61.3	154.9	141.0	69.2	53.3
Apr...	56.1	50.9	83.3	75.8	75.5	58.0	158.6	145.8	71.2	54.8
May...	57.5	51.7	82.6	77.7	76.1	62.0	155.3	140.9	73.4	58.2
Jun...	57.8	50.5	82.1	76.8	76.3	62.4	155.3	139.8	74.3	60.3
Jul...	57.7	47.9	82.0	70.9	76.4	55.5	151.8	130.5	74.9	58.3
Aug...	57.7	50.3	73.4	64.1	77.0	61.0	155.8	142.0	78.5	65.2
Sep...	58.4	49.5	79.3	70.5	74.8	58.4	159.4	140.8	82.2	63.7
Oct...	59.9	54.2	90.1	91.8	75.9	64.7	172.0	175.2	83.1	71.6
Nov...	63.5	61.0	97.3	104.9	76.2	61.3	173.5	174.0	83.8	71.8
Dec...	67.3	70.7	101.7	114.7	77.5	68.3	179.0	179.8	83.1	73.4
1937										
Jan...	68.1	66.8	85.3	80.6	80.5	67.4	175.6	168.2	83.8	75.5
Feb...	69.9	70.2	103.0	88.9	81.2	67.6	181.1	176.0	88.0	82.0
Mar...	71.4	74.1	106.3	115.1	84.9	79.1	184.0	178.6	90.8	86.2
Apr...	72.7	77.6	106.0	112.7	84.9	77.1	180.8	179.6	93.1	92.7
May...	72.7	76.2	104.7	115.9	86.1	77.9	182.8	182.7	93.2	90.6
Jun...	71.3	73.5	102.7	95.4	83.9	77.0	177.7	174.9	91.0	83.9
Jul...	70.9	65.3	99.2	106.5	83.4	72.4	168.4	160.0	87.8	77.9
Aug...	70.4	68.6	95.4	102.5	84.3	77.2	165.3	169.5	87.2	78.8
Sep...	71.6	71.3	98.4	100.2	85.1	73.0	167.3	164.8	88.4	79.4
Oct...	70.5	69.5	100.3	113.1	84.3	76.5	171.9	178.7	83.8	73.3
Nov...	63.8	57.4	97.2	98.7	80.7	63.7	161.4	161.3	75.6	58.3
Dec...	59.8	50.4	89.2	79.6	71.9	55.5	142.8	134.8	70.6	54.0
1938										
Jan...	51.6	37.4	75.2	55.5	70.6	55.3	122.5	104.2	64.6	47.8
Feb...	47.8	35.3	71.3	59.3	71.3	51.6	122.8	109.3	63.7	46.6
Mar...	45.8	35.4	70.5	56.4	70.6	52.5	123.1	118.8	64.7	47.0
Apr...	43.6	32.7	64.9	51.3	70.9	54.2	126.0	115.6	63.6	45.9
May...	42.8	31.9	63.5	53.2	71.3	58.9	122.6	109.1	65.1	47.5
Jun...	40.2	29.3	61.3	52.4	72.5	57.6	112.5	99.7	64.9	51.0

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Iron and steel and their products, not including machinery									
	Stoves		Structural and ornamental		Tin cans and other tinware		Tools, not includ- ing edge tools, machine tools, files and saws		Wirework	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	106.0	103.5	104.4	104.0	101.0	97.7	105.7	103.1	93.1	89.6
1924...	95.0	96.0	97.7	96.6	100.0	100.0	102.2	101.8	100.0	100.0
1925...	99.0	100.5	97.9	99.4	99.0	102.3	92.1	95.1	106.9	110.4
1926...	104.2	105.8	107.5	109.9	--	--	--	--	--	--
1927...	96.2	97.5	106.1	108.8	98.4	104.2	91.7	95.6	120.4	122.5
1928...	94.0	93.5	106.5	111.0	--	--	--	--	--	--
1929...	92.3	98.8	111.2	112.8	104.3	113.6	107.6	117.8	124.2	129.3
1930...	83.1	74.3	98.9	94.2	--	--	--	--	--	--
1931...	69.4	53.4	76.0	61.5	83.7	83.3	60.4	51.1	95.6	80.6
1932...	55.0	33.4	49.7	29.9	73.3	65.8	48.8	33.2	87.6	56.8
1933...	64.3	40.8	43.3	23.9	77.3	67.6	53.5	37.2	97.9	65.6
1934...	78.4	52.6	54.3	34.7	88.6	78.7	64.6	50.6	124.1	93.4
1935...	88.9	66.9	55.2	36.2	91.0	82.9	70.4	60.6	139.7	117.8
1936...	98.2	81.4	69.1	53.2	99.5	94.5	83.2	78.4	164.2	151.4
1937...	102.0	86.1	79.2	70.8	105.4	109.5	98.4	98.0	194.8	194.7
1931										
Jan...	60.0	45.7	84.5	71.8	86.2	87.9	62.6	52.9	88.5	75.1
Feb...	68.4	55.8	81.2	68.9	87.7	85.7	62.2	55.0	86.3	75.8
Mar...	73.9	59.7	80.8	68.4	87.8	91.0	62.4	55.8	89.4	82.4
Apr...	74.9	59.4	79.2	65.1	90.1	93.2	62.4	56.1	90.2	79.3
May...	74.3	59.9	77.5	65.2	88.4	87.4	60.2	54.1	91.4	81.0
Jun...	72.0	55.1	76.1	63.1	86.0	85.7	60.3	51.9	93.2	82.4
Jul...	63.4	47.5	76.9	65.4	85.7	85.0	60.7	51.1	94.6	80.8
Aug...	69.0	52.1	77.1	62.1	86.5	84.8	58.1	48.3	104.3	88.5
Sep...	73.1	57.4	74.1	58.0	80.8	81.2	59.7	45.7	101.6	80.8
Oct...	73.7	58.0	70.0	52.7	76.2	74.9	59.0	48.3	102.2	82.9
Nov...	68.8	49.3	68.0	49.6	73.3	71.2	58.2	46.9	103.4	79.5
Dec...	61.5	40.9	66.3	47.8	75.3	71.8	58.9	47.1	102.1	78.5
1932										
Jan...	50.6	31.7	62.5	43.1	73.4	69.9	55.8	41.4	95.8	68.7
Feb...	57.6	36.8	59.0	39.0	71.7	65.8	55.7	42.8	97.1	75.6
Mar...	58.4	36.5	57.5	36.4	72.3	67.6	53.3	40.0	93.0	72.0
Apr...	58.4	34.8	54.7	34.3	72.6	66.5	52.5	37.6	89.8	61.5
May...	56.2	33.2	51.9	32.0	70.7	63.0	50.7	34.3	88.8	61.3
Jun...	51.8	29.3	49.8	28.1	75.3	67.4	48.4	32.2	87.8	55.9
Jul...	45.2	25.0	47.0	25.9	73.6	62.3	44.3	25.3	81.4	43.9
Aug...	48.3	27.4	46.3	25.8	74.0	64.7	41.0	23.3	83.9	48.9
Sep...	57.4	36.8	44.0	24.3	79.5	75.0	44.7	28.4	86.0	51.9
Oct...	61.4	43.5	42.2	23.9	75.1	67.7	45.7	30.8	84.6	52.4
Nov...	60.9	36.7	41.1	23.8	71.5	59.1	47.0	31.4	83.1	49.1
Dec...	54.3	29.3	40.6	21.8	59.3	60.1	46.8	30.8	80.0	40.8
1933										
Jan...	40.3	20.2	38.4	18.1	65.8	56.0	45.8	29.6	77.3	38.3
Feb...	46.2	25.7	37.4	16.8	68.4	56.0	45.9	27.9	81.5	45.1
Mar...	44.8	23.9	37.9	16.6	66.4	53.8	43.7	25.0	79.5	38.6
Apr...	48.3	27.6	38.3	17.9	69.2	58.1	44.2	25.4	79.4	43.8
May...	52.1	32.7	37.8	19.3	71.5	64.2	45.7	28.7	84.4	56.2
Jun...	57.4	37.9	39.0	20.4	76.5	70.9	49.5	36.2	95.1	70.0
Jul...	65.3	43.5	42.5	21.6	80.3	74.6	54.2	41.3	103.8	78.8
Aug...	75.7	50.5	46.3	27.2	88.3	77.7	59.7	44.5	112.1	92.8
Sep...	86.4	58.2	50.9	31.2	90.3	78.5	61.5	45.6	118.6	83.6
Oct...	91.5	65.9	51.6	33.3	83.5	72.2	63.7	47.6	117.8	85.1
Nov...	88.8	58.5	50.3	32.7	82.4	71.1	63.8	47.2	112.2	74.3
Dec...	74.4	45.0	49.7	31.3	84.9	77.6	63.7	47.6	112.5	81.0

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Iron and steel and their products, not including machinery									
	Stoves		Structural and ornamental metal work		Tin cans and other tinware		Tools, not in- cluding edge tools, machine tools, files & saws		Wirework	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan.	60.0	34.0	48.8	29.1	77.6	67.4	63.9	47.4	119.2	85.6
Feb.	70.9	45.5	50.0	30.4	78.0	66.5	66.0	50.4	117.7	84.7
Mar.	77.1	51.8	51.1	31.7	83.6	75.2	67.5	54.2	121.4	91.8
Apr.	82.7	57.2	53.2	34.0	86.4	79.2	68.1	54.4	127.9	101.3
May.	86.8	61.0	55.7	37.4	89.2	81.5	66.7	55.3	141.1	110.3
Jun.	85.2	58.4	56.9	38.4	94.5	88.2	66.0	53.7	137.9	106.2
Jul.	77.2	48.3	56.4	36.2	97.3	88.3	64.0	49.5	130.2	96.5
Aug.	77.7	49.1	56.5	37.2	96.7	87.2	62.0	49.3	122.7	88.9
Sep.	80.9	55.9	56.3	35.8	98.4	89.4	61.8	46.9	121.2	89.1
Oct.	84.3	61.2	54.9	36.0	91.5	76.0	62.3	47.1	116.1	87.1
Nov.	82.5	56.9	55.8	36.2	87.1	72.8	62.7	47.9	113.2	82.9
Dec.	75.8	51.6	55.6	34.2	83.0	72.7	64.0	51.6	121.0	96.7
1935										
Jan.	71.7	47.3	54.1	34.3	82.4	73.5	65.7	53.4	132.6	106.3
Feb.	79.1	54.5	52.2	32.5	82.3	69.6	68.3	58.6	139.5	116.3
Mar.	81.9	59.2	53.5	33.4	82.8	74.3	69.3	59.7	141.1	119.1
Apr.	88.3	65.2	53.9	34.2	84.8	75.0	70.5	59.8	146.2	129.0
May.	90.2	66.0	54.6	35.1	88.6	79.9	69.3	59.7	144.4	110.5
Jun.	89.6	65.2	54.6	34.9	92.4	84.0	68.9	58.0	137.2	111.6
Jul.	88.9	63.1	55.6	36.2	97.6	90.0	67.2	53.4	130.0	99.7
Aug.	92.3	70.9	56.5	37.7	102.1	98.1	64.7	53.4	133.3	103.2
Sep.	97.2	79.2	57.3	39.3	101.0	95.0	70.1	59.4	122.0	101.1
Oct.	99.8	85.5	57.6	39.5	96.0	90.7	74.4	66.9	142.8	126.2
Nov.	98.0	75.6	57.3	38.3	91.5	83.6	76.9	70.0	149.9	139.3
Dec.	90.0	71.3	55.4	38.6	90.2	81.2	79.0	75.2	157.4	150.9
1936										
Jan.	79.1	57.1	56.1	38.9	88.8	81.7	79.0	72.7	158.9	134.5
Feb.	86.2	69.6	56.4	38.5	89.2	79.2	77.9	71.9	151.8	128.7
Mar.	90.2	74.5	59.5	42.9	92.0	86.6	79.2	73.6	155.2	145.3
Apr.	94.5	75.6	63.1	46.9	94.0	87.5	78.4	73.9	157.5	152.2
May.	95.8	77.3	67.5	52.1	97.1	92.4	78.2	73.1	161.0	154.8
Jun.	99.8	82.2	71.0	55.9	102.2	97.7	79.6	74.6	157.4	148.7
Jul.	96.4	72.8	73.7	56.7	104.7	99.3	80.3	71.0	155.4	134.9
Aug.	103.8	85.5	77.6	60.6	112.1	110.1	82.4	76.1	152.7	129.1
Sep.	107.6	89.7	78.1	61.1	115.5	114.4	84.9	76.7	159.2	127.1
Oct.	112.2	103.4	77.7	63.4	104.8	99.5	89.5	87.9	174.8	167.9
Nov.	109.8	97.8	75.9	60.6	97.6	92.1	93.3	91.2	186.2	191.8
Dec.	103.3	91.1	72.7	60.8	96.1	93.5	96.0	97.6	200.0	202.2
1937										
Jan.	92.7	72.9	73.5	58.6	96.9	92.7	97.3	96.0	190.7	178.6
Feb.	103.7	91.9	74.5	62.5	99.3	97.7	99.5	102.1	187.4	172.8
Mar.	108.3	97.3	77.0	66.8	100.8	101.9	101.7	103.6	202.8	202.3
Apr.	110.4	101.1	78.5	72.7	103.2	109.0	101.9	107.9	203.1	208.6
May.	112.1	101.4	79.8	72.7	106.0	112.4	103.0	106.4	199.7	214.2
Jun.	114.0	100.9	81.6	76.3	110.8	117.5	101.3	107.3	197.9	213.4
Jul.	100.3	78.1	83.6	76.2	116.7	122.6	101.7	100.5	192.6	193.6
Aug.	108.0	92.1	84.4	78.4	119.6	130.3	100.1	99.7	187.8	181.8
Sep.	108.8	92.9	85.4	77.7	117.2	126.2	98.2	96.8	186.7	188.4
Oct.	103.8	89.4	82.1	75.5	103.9	110.1	96.8	94.1	208.9	235.4
Nov.	87.3	61.7	77.8	69.0	97.1	98.5	91.5	84.4	200.2	188.9
Dec.	74.0	53.2	72.1	63.1	92.9	95.3	87.4	77.0	179.9	158.3
1938										
Jan.	61.1	41.7	66.2	54.2	87.9	89.6	81.3	70.8	148.1	125.4
Feb.	70.8	53.8	63.7	52.0	86.9	89.6	79.3	68.0	138.1	118.1
Mar.	73.3	57.4	62.0	50.6	88.3	92.9	79.2	71.2	134.7	122.7
Apr.	72.1	56.3	61.2	49.4	88.7	91.2	76.6	65.3	131.0	118.7
May.	73.4	58.4	59.7	48.8	87.5	91.8	74.8	64.0	129.4	114.4
Jun.	71.4	55.4	58.3	46.7	88.9	92.6	73.0	60.9	115.5	99.8

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Machinery, not including transportation equipment									
	"MACHINERY" Group 1/		Agricultural im- plements (includ- ing tractors)		Cash registers, adding machines, and calculating machines		Electrical machinery, apparatus, and supplies		Engines, turbines, water wheels and windmills	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	105.3	104.1	110.2	110.1	107.4	105.1	103.0	100.1	99.0	101.6
1924...	94.9	94.9	86.8	85.6	97.2	97.3	97.9	99.2	90.0	88.6
1925...	99.3	101.0	103.0	104.3	95.4	97.6	99.1	100.7	111.0	109.8
1926...	107.4	111.1	117.8	124.1	—	—	—	—	121.9	134.6
1927...	102.4	106.2	116.1	121.7	103.1	100.4	2/	2/	117.3	131.4
1928...	104.9	111.3	132.0	140.7	—	—	—	—	118.3	140.1
1929...	125.9	134.3	145.5	154.4	120.8	137.3	127.3	134.4	129.0	150.9
1930...	104.9	102.7	115.2	107.9	—	—	107.1	109.3	98.4	102.7
1931...	76.3	64.2	65.8	52.1	87.3	69.1	80.9	68.7	70.3	59.4
1932...	57.0	37.3	36.5	23.5	74.9	52.5	60.6	39.7	44.8	27.1
1933...	60.8	40.5	43.3	30.0	78.2	60.1	58.8	38.9	48.3	33.8
1934...	79.4	59.6	72.2	54.2	103.0	88.5	73.0	54.7	62.0	52.1
1935...	69.1	73.5	118.9	103.9	116.0	95.4	80.7	66.6	69.2	61.1
1936...	103.3	94.1	139.4	130.2	130.3	115.0	91.5	82.3	81.4	81.2
1937...	123.9	126.9	167.4	185.2	150.6	149.6	114.9	115.9	103.6	118.5
1931										
Jan...	87.9	74.6	103.5	97.0	93.6	77.6	90.2	80.0	79.9	72.8
Feb...	87.4	76.2	99.4	92.6	91.3	74.8	89.3	81.0	78.3	76.5
Mar...	35.6	75.5	87.5	75.4	90.7	74.8	87.8	80.3	85.6	85.3
Apr...	84.3	73.2	80.4	62.2	90.6	74.3	86.7	77.7	80.6	75.1
May...	82.2	71.4	64.9	45.2	88.8	73.7	84.3	76.4	76.6	73.3
Jun...	79.4	66.2	61.3	42.3	87.8	73.2	81.9	70.2	69.2	58.4
Jul...	76.1	60.9	50.7	36.3	83.5	64.0	79.0	65.3	65.5	53.8
Aug...	73.3	58.6	47.0	34.6	87.7	69.0	76.2	65.2	69.1	50.6
Sep...	73.5	55.0	44.3	32.5	84.4	58.7	76.5	59.7	66.8	44.3
Oct...	71.4	54.3	47.6	34.0	82.9	62.2	74.6	57.5	58.7	41.5
Nov...	69.6	52.0	48.9	34.6	83.1	62.5	72.2	56.2	56.8	38.5
Dec...	68.6	52.0	53.8	38.9	83.2	64.0	71.5	54.5	56.3	42.3
1932										
Jan...	66.0	47.7	56.7	41.4	64.1	61.4	71.1	52.5	46.9	30.5
Feb...	66.1	47.9	58.9	42.8	83.5	57.7	70.5	51.5	46.8	32.7
Mar...	64.1	45.3	53.5	37.2	81.3	56.6	69.3	48.8	47.2	29.6
Apr...	60.9	41.7	43.3	26.9	79.5	54.6	66.1	45.1	46.2	29.4
May...	58.8	38.9	35.4	20.9	80.0	54.4	64.1	41.7	46.6	26.8
Jun...	55.9	35.5	29.0	16.7	76.6	50.1	61.1	38.8	44.6	24.9
Jul...	53.1	32.0	24.6	12.2	75.7	49.8	57.4	35.6	45.1	25.3
Aug...	51.0	30.4	24.5	13.0	66.7	47.9	55.8	32.7	42.7	23.6
Sep...	51.3	31.1	24.6	13.2	67.4	45.5	53.4	32.5	44.1	22.8
Oct...	52.1	32.3	24.6	16.6	68.3	50.1	52.7	32.6	41.5	27.0
Nov...	52.3	32.0	28.7	18.3	67.8	49.1	52.7	32.4	41.8	26.2
Dec...	52.2	32.3	34.7	23.0	67.5	49.3	52.6	32.7	43.5	26.3
1933										
Jan...	49.6	30.2	38.6	24.9	66.2	46.6	50.8	31.3	40.7	24.5
Feb...	50.6	31.1	42.4	29.4	65.9	46.4	51.2	31.3	42.1	25.6
Mar...	49.4	29.2	38.9	24.5	64.4	44.7	50.5	30.4	43.2	25.8
Apr...	50.1	30.0	36.1	22.8	65.4	48.8	51.2	31.6	42.0	26.5
May...	52.6	34.0	34.0	20.5	67.6	52.1	53.1	34.6	44.2	32.3
Jun...	56.7	38.7	37.3	26.4	74.1	53.0	56.0	38.0	47.1	35.8
Jul...	60.3	41.8	39.0	26.1	78.0	61.5	59.4	41.4	48.7	35.0
Aug...	66.7	46.2	42.1	29.1	84.8	65.8	63.0	43.1	53.8	35.5
Sep...	71.3	48.9	46.4	31.8	89.6	69.4	66.4	45.3	57.6	39.8
Oct...	74.2	52.1	49.2	35.4	92.4	72.7	68.6	47.1	53.9	40.9
Nov...	74.6	52.2	54.5	40.9	94.1	76.3	68.3	46.9	52.3	40.0
Dec...	73.1	51.3	61.3	47.5	95.5	78.4	67.4	45.4	54.1	43.5

1/ Comparable monthly indexes for earlier years are shown on pages 47, 48, and 55.

2/ Data not available.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
 By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Machinery, not including transportation equipment									
	"MACHINERY" Group 1/		Agricultural im- plements (includ- ing tractors) 1/		Cash registers, adding machines, and calculating machines		Electrical machinery apparatus and supplies		Engines, turbines, water wheels and windmills 1/	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	71.5	49.6	63.4	48.3	97.7	80.4	65.8	43.5	53.7	43.2
Feb...	74.4	53.8	69.7	53.4	100.5	78.6	67.2	46.6	56.5	48.3
Mar...	78.4	58.1	72.3	55.9	103.1	79.9	70.1	49.9	60.9	51.1
Apr...	81.8	63.1	80.2	64.0	106.7	84.9	72.3	55.3	64.3	55.7
May...	82.8	64.7	79.0	61.4	109.4	91.4	74.3	57.5	57.9	50.1
Jun...	82.4	64.6	72.5	56.9	100.7	84.2	75.3	59.7	66.7	60.4
Jul...	81.0	61.0	66.0	43.7	110.5	94.9	75.3	57.8	65.7	54.8
Aug...	81.0	60.8	64.7	45.6	112.7	93.3	75.4	58.1	64.9	55.9
Sep...	80.0	58.0	65.6	44.3	113.9	95.0	75.6	55.2	67.1	53.2
Oct...	79.7	59.5	71.2	50.5	115.7	94.7	74.4	56.4	63.5	52.6
Nov...	79.7	59.4	77.5	60.0	115.6	93.5	74.8	57.0	61.6	50.1
Dec...	80.4	62.6	84.0	66.4	109.4	91.1	75.0	59.5	60.7	49.7
1935										
Jan...	81.5	63.1	89.9	71.5	110.0	86.7	75.2	59.5	63.0	51.1
Feb...	84.0	66.9	97.0	77.8	111.2	90.5	76.7	62.4	67.3	57.4
Mar...	86.3	69.9	108.2	90.8	112.7	91.9	78.6	64.9	71.0	61.4
Apr...	87.3	70.7	110.9	93.5	115.1	93.7	80.5	66.1	68.4	61.6
May...	86.8	70.8	113.7	99.1	114.1	93.1	80.4	65.8	71.1	63.4
Jun...	86.5	69.8	125.6	110.1	114.2	93.8	79.1	63.4	71.2	63.1
Jul...	87.8	70.2	128.5	114.0	115.1	95.7	79.1	61.7	70.2	58.6
Aug...	89.3	74.1	127.6	113.9	114.5	95.4	80.0	65.3	69.7	62.9
Sep...	93.1	78.4	127.0	112.4	118.0	98.4	83.2	70.2	71.7	64.1
Oct...	95.2	81.7	126.3	112.4	120.6	100.6	85.6	73.7	69.6	63.5
Nov...	95.9	82.1	133.0	120.0	122.2	98.9	85.7	73.0	68.6	61.7
Dec...	95.3	84.1	139.4	130.7	123.7	105.9	84.0	73.5	68.2	64.2
1936										
Jan...	94.7	81.6	145.2	136.5	127.0	111.1	81.9	69.3	67.7	64.0
Feb...	95.0	82.6	148.9	139.2	129.1	111.5	81.1	68.9	71.9	69.8
Mar...	96.5	85.9	153.0	145.9	131.0	112.5	82.2	72.0	74.8	74.1
Apr...	99.2	90.2	156.4	148.2	132.9	116.6	85.6	77.5	80.6	79.7
May...	101.9	93.8	155.6	147.5	135.0	119.4	87.6	80.3	81.7	81.3
Jun...	103.0	94.9	151.0	140.6	125.5	112.4	89.8	82.5	84.8	85.6
Jul...	103.6	92.1	136.4	120.9	128.6	111.2	91.9	82.1	85.7	83.4
Aug...	104.0	93.3	123.9	110.2	112.5	93.2	92.5	81.8	83.9	81.4
Sep...	107.2	94.5	122.0	101.5	132.5	114.1	96.6	83.6	83.3	80.4
Oct...	109.3	102.2	122.6	116.3	135.5	124.2	99.6	91.8	85.4	85.5
Nov...	111.1	105.2	124.1	119.0	136.3	124.1	103.1	95.9	87.2	90.3
Dec...	114.0	113.0	133.8	136.4	137.8	129.5	105.9	102.0	89.4	99.1
1937										
Jan...	114.6	110.4	142.6	146.3	140.7	128.6	104.1	96.1	85.4	94.7
Feb...	118.5	117.7	150.3	154.6	145.5	139.5	109.4	106.3	97.0	108.8
Mar...	121.2	124.8	159.8	170.9	148.9	148.9	111.2	111.1	102.2	115.6
Apr...	124.4	133.2	166.1	188.8	149.8	158.3	114.7	119.8	105.9	127.6
May...	126.3	134.3	169.5	193.2	151.2	158.1	117.9	122.4	110.2	130.4
Jun...	129.0	136.5	170.7	192.0	154.1	155.4	120.0	124.9	110.8	130.9
Jul...	129.7	132.8	171.0	189.1	155.5	155.1	121.1	123.0	110.5	123.4
Aug...	129.9	136.2	173.8	197.3	153.5	148.4	121.2	125.6	107.0	120.2
Sep...	130.5	133.5	180.0	203.7	154.9	154.5	121.4	122.9	110.6	122.0
Oct...	128.7	133.3	181.3	208.9	154.8	156.7	119.4	123.6	108.8	123.6
Nov...	121.1	120.1	175.5	198.1	152.0	147.0	113.1	113.2	98.3	111.8
Dec...	112.9	109.9	167.7	179.3	146.1	144.9	104.7	101.9	96.2	112.8
1938										
Jan...	104.0	95.1	158.7	169.1	143.0	134.2	96.0	87.3	92.0	98.8
Feb...	99.7	91.1	152.8	161.8	143.7	129.4	89.9	80.9	91.4	99.2
Mar...	96.9	88.0	150.3	160.7	142.4	130.0	86.5	77.4	89.4	100.8
Apr...	93.2	83.6	147.8	152.9	141.9	120.6	81.6	72.0	92.4	101.7
May...	89.7	80.6	133.8	137.2	140.1	122.0	78.1	68.4	90.1	97.1
Jun...	86.1	76.4	125.2	124.1	137.3	121.4	75.3	66.6	85.5	89.4

1/ Comparable monthly indexes for earlier years are shown on pages 47, 48, and 55.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Machinery, not including transportation equipment									
	Foundry and machine-shop products		Machine tools		Radios and phonographs		Textile machinery and parts		Typewriters and parts	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	108.4	106.7	108.1	105.3	89.5	88.1	116.4	117.5	100.0	98.4
1924...	93.9	93.6	92.0	90.8	105.9	107.5	92.7	86.8	100.0	100.0
1925...	97.7	99.7	99.9	103.9	104.6	104.4	90.9	95.7	100.0	101.6
1926...	103.3	107.4	119.3	125.3	--	--	90.1	95.7	--	--
1927...	97.7	99.9	114.3	116.3	1/	1/	85.3	93.2	111.5	113.0
1928...	98.8	102.6	127.9	139.8	--	--	78.5	84.2	--	--
1929...	111.3	117.9	167.2	187.6	204.5	202.9	88.1	96.7	121.1	130.1
1930...	94.2	89.0	126.0	121.9	141.0	139.8	71.2	66.0	--	--
1931...	69.7	55.4	74.7	61.5	124.4	96.5	61.3	54.3	77.8	60.0
1932...	51.1	31.9	42.1	28.6	80.4	60.5	48.4	35.1	61.6	35.8
1933...	54.6	34.9	44.9	30.9	112.1	81.4	60.5	47.9	68.5	44.1
1934...	71.0	52.2	75.8	60.7	158.6	110.0	67.6	55.6	102.5	87.6
1935...	78.5	62.6	99.5	91.4	152.7	117.8	62.1	54.3	110.0	97.0
1936...	92.4	83.0	125.2	125.5	168.1	136.8	69.3	66.4	119.5	115.4
1937...	110.5	110.6	158.7	179.3	154.3	134.4	80.6	86.3	152.3	152.8
1931										
Jan...	77.6	63.2	92.1	74.3	126.0	102.4	62.1	56.6	86.4	70.4
Feb...	77.8	65.7	89.8	75.1	123.3	94.7	62.9	57.4	85.1	69.3
Mar...	77.1	66.4	89.2	75.8	104.0	83.1	63.9	57.9	84.9	66.6
Apr...	75.8	64.6	86.0	72.6	113.2	91.0	63.2	56.1	80.2	66.1
May...	75.5	63.6	82.8	70.0	107.5	88.9	63.3	58.0	79.0	66.1
Jun...	71.9	58.1	78.1	64.5	116.1	92.2	62.0	56.5	78.6	64.1
Jul...	68.5	52.8	72.4	62.2	124.7	94.9	56.9	51.3	74.8	57.5
Aug...	64.6	49.1	63.4	55.2	133.5	104.3	62.6	55.1	72.8	53.7
Sep...	64.3	46.5	65.3	49.1	149.3	106.9	61.4	50.4	73.3	51.1
Oct...	61.9	45.6	63.0	49.5	145.9	119.4	59.4	49.5	70.7	52.3
Nov...	60.8	43.9	57.4	44.4	137.1	97.5	59.0	48.9	73.2	52.8
Dec...	60.7	45.0	57.1	45.1	111.6	82.9	58.9	53.4	74.8	50.3
1932										
Jan...	57.9	39.6	54.6	42.2	105.3	82.4	58.7	52.5	72.1	45.7
Feb...	57.8	40.3	54.2	41.9	94.3	68.7	59.2	51.4	70.5	47.8
Mar...	56.3	38.4	51.4	36.9	80.8	56.4	56.9	46.8	70.2	45.4
Apr...	54.4	35.8	46.9	32.7	63.3	50.9	52.8	40.4	69.8	43.3
May...	52.7	34.0	41.4	27.5	71.6	59.0	48.1	31.1	67.9	38.2
Jun...	50.0	30.8	40.3	25.5	75.2	59.8	44.6	25.4	59.1	31.8
Jul...	48.6	27.6	36.3	22.6	72.7	52.6	35.6	20.1	57.8	29.2
Aug...	46.0	26.1	34.0	21.6	72.2	49.2	42.3	27.1	42.2	22.1
Sep...	46.8	26.6	36.1	22.6	75.0	60.7	44.8	30.9	57.0	29.6
Oct...	47.5	28.0	35.5	22.0	89.4	68.1	45.9	32.0	57.4	30.9
Nov...	47.8	27.8	36.6	23.6	86.0	63.4	45.3	30.6	60.9	33.3
Dec...	47.9	28.2	37.8	24.2	74.1	54.8	46.4	32.9	54.0	32.8
1933										
Jan...	45.4	25.6	38.1	25.2	53.1	44.0	46.6	32.2	59.6	33.4
Feb...	46.2	26.6	37.4	24.2	57.2	48.2	47.1	31.3	56.3	30.4
Mar...	44.7	24.2	33.4	19.5	54.6	44.5	45.5	28.1	55.1	28.1
Apr...	45.3	24.5	33.1	19.4	61.4	53.8	43.7	27.4	55.5	27.0
May...	47.3	28.6	34.2	20.5	78.8	67.4	46.2	32.4	58.5	31.1
Jun...	51.0	33.4	38.2	26.2	94.7	71.0	53.4	45.3	57.6	32.6
Jul...	55.0	37.5	40.7	28.4	95.8	57.9	62.4	56.3	61.2	37.4
Aug...	61.5	42.1	47.3	32.8	116.7	79.5	75.3	62.7	72.6	50.6
Sep...	64.5	43.5	53.7	38.4	152.9	99.7	77.9	65.9	78.9	56.1
Oct...	65.7	45.5	57.7	42.2	194.9	138.3	77.2	66.1	83.8	62.5
Nov...	64.6	44.1	61.7	46.0	209.3	148.4	76.8	64.9	90.2	66.8
Dec...	63.5	43.5	63.1	48.0	176.3	124.2	74.3	61.6	92.2	72.8

1/ Data not available

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Machinery, not including transportation equipment									
	Foundry and machine-shop products		Machine tools		Radios and phonographs		Textile machinery and parts		Typewriters and parts	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	63.4	43.5	63.4	47.8	147.7	92.3	71.2	58.9	92.3	69.4
Feb...	66.5	47.8	73.0	58.5	140.3	90.4	73.4	61.5	98.1	78.3
Mar...	70.9	52.6	76.8	62.3	147.1	95.8	74.1	62.3	105.7	86.1
Apr...	74.4	57.3	76.9	62.6	154.7	101.1	73.2	61.6	110.9	89.5
May...	76.6	59.8	78.3	64.9	153.6	103.5	73.9	63.5	85.6	67.6
Jun...	76.2	58.5	77.8	63.0	158.8	109.7	71.1	60.0	70.4	59.0
Jul...	72.6	53.8	76.1	59.7	160.2	108.8	69.5	57.7	105.2	91.7
Aug...	72.2	53.0	73.4	56.2	171.7	117.6	65.2	51.1	108.4	94.0
Sep...	70.0	49.1	77.4	60.6	172.8	121.2	60.8	47.0	110.3	100.6
Oct...	69.7	50.0	77.2	60.3	173.7	131.0	59.3	46.3	113.5	101.1
Nov...	69.4	49.0	78.6	63.1	164.6	124.2	59.1	44.7	115.3	107.0
Dec...	70.3	52.2	81.1	67.7	157.5	124.4	60.7	52.5	114.1	107.0
1935										
Jan...	72.8	54.1	82.5	70.0	141.8	102.5	62.2	53.7	111.1	95.2
Feb...	75.8	58.6	86.8	75.9	136.4	93.0	62.8	54.2	108.2	89.8
Mar...	77.4	60.5	89.9	79.9	137.4	100.0	62.6	53.9	105.4	90.4
Apr...	78.3	61.0	92.5	81.6	131.0	95.8	63.4	53.1	103.1	89.0
May...	77.9	60.9	94.0	84.3	116.8	88.8	61.2	52.9	105.6	91.6
Jun...	76.9	59.1	96.4	86.4	114.0	88.1	61.6	53.7	106.3	89.3
Jul...	77.6	59.6	100.7	91.2	129.9	99.2	60.9	52.5	107.1	91.3
Aug...	76.2	63.1	103.9	96.5	152.5	119.2	60.0	51.8	107.7	92.2
Sep...	80.3	65.4	108.7	101.9	189.9	154.6	60.3	51.6	112.1	105.0
Oct...	81.2	67.9	111.0	106.8	210.2	173.5	61.7	55.8	116.0	109.5
Nov...	82.1	68.7	112.3	107.6	203.7	167.6	63.4	55.9	113.5	112.3
Dec...	83.5	72.0	114.3	114.1	168.3	131.0	65.3	62.9	118.5	108.9
1936										
Jan...	83.6	70.1	115.2	112.5	155.9	115.0	66.8	54.1	114.8	99.7
Feb...	84.6	71.8	116.5	114.5	143.4	103.9	67.8	65.2	115.9	102.3
Mar...	86.3	75.3	117.6	115.8	136.1	99.9	66.3	66.4	115.4	103.4
Apr...	88.6	79.3	119.2	115.8	137.9	107.6	68.0	64.3	116.5	108.2
May...	91.1	82.4	121.2	120.9	157.6	129.3	67.7	65.5	117.5	110.2
Jun...	92.0	83.6	123.6	123.9	177.4	147.7	68.1	63.2	86.7	60.2
Jul...	93.2	81.3	126.0	122.6	171.4	136.7	65.4	63.4	102.1	99.9
Aug...	94.5	83.8	121.6	122.2	186.5	157.0	69.2	65.7	114.7	112.9
Sep...	96.4	84.9	132.1	125.7	191.4	153.4	70.5	64.2	124.7	124.3
Oct...	97.7	90.1	134.2	138.4	193.2	169.6	71.0	67.1	136.9	142.5
Nov...	99.1	93.2	135.9	140.6	186.4	161.5	71.8	65.2	143.0	143.6
Dec...	101.6	100.1	139.1	153.2	179.5	159.6	74.5	79.8	147.7	152.1
1937										
Jan...	103.5	98.6	143.6	154.9	165.7	139.2	77.1	64.2	150.4	145.1
Feb...	106.7	104.9	147.1	161.1	151.0	118.3	80.0	68.6	150.8	152.2
Mar...	109.2	111.4	152.0	172.6	144.3	121.1	82.2	90.7	157.2	169.4
Apr...	112.1	118.3	156.0	182.8	140.3	120.9	84.3	97.0	158.7	173.2
May...	114.2	119.2	159.2	185.6	123.8	103.4	84.7	96.5	158.1	171.6
Jun...	115.2	119.3	162.4	189.1	161.4	148.9	84.5	94.7	158.2	167.1
Jul...	115.0	114.6	162.5	183.0	174.1	158.4	83.5	90.7	156.7	161.0
Aug...	115.0	115.7	164.4	184.0	180.2	167.6	83.1	89.3	156.4	159.0
Sep...	114.4	114.0	167.6	190.3	184.4	165.7	81.4	86.3	155.5	157.9
Oct...	112.8	113.3	167.7	195.3	177.5	157.8	80.2	82.0	152.1	142.0
Nov...	107.1	101.7	163.8	181.4	138.7	117.3	75.2	71.1	142.4	117.2
Dec...	100.3	92.9	157.6	171.3	109.7	94.2	71.4	64.2	130.6	117.9
1938										
Jan...	92.4	79.8	148.1	151.2	86.0	72.7	66.5	54.9	119.5	88.0
Feb...	89.1	77.5	142.3	138.4	84.4	68.3	63.9	52.8	116.8	102.4
Mar...	87.1	75.2	135.8	129.1	76.1	57.9	61.5	51.3	115.4	94.1
Apr...	83.5	71.4	129.9	116.5	77.9	65.8	58.3	49.4	114.1	91.5
May...	81.0	70.0	123.8	111.3	76.3	66.8	58.0	49.3	115.6	92.4
Jun...	77.4	65.7	115.8	99.0	81.6	71.6	54.2	47.2	115.0	93.7

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Transportation equipment											
	"TRANSPORTATION" Group		Aircraft		Automobiles		Cars, electric and steam railroad		Locomotives			
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls		
1923...	107.6	107.7	103.6	103.4	100.6	100.6	126.9	128.7	157.7	168.1		
1924...	93.1	90.8	100.0	100.0	93.6	90.6	93.8	94.3	76.4	72.9		
1925...	99.3	101.5	96.4	96.6	105.8	108.8	79.3	77.0	65.9	59.0		
1926...	99.1	99.5	--	--	104.8	104.8	75.0	70.9	86.2	80.6		
1927...	87.9	89.8	157.9	156.8	91.9	93.3	59.9	60.4	66.7	57.2		
1928...	96.2	101.6	--	--	108.1	113.9	48.4	48.2	45.4	39.6		
1929...	103.5	105.4	525.2	501.5	111.3	111.6	63.1	63.1	56.8	58.3		
1930...	80.2	70.2	--	--	80.3	65.7	54.7	53.2	52.3	51.5		
1931...	66.3	52.3	353.1	354.8	71.0	53.4	29.6	25.4	28.0	18.1		
1932...	55.5	37.8	244.2	234.3	60.5	38.8	24.9	20.5	17.7	9.0		
1933...	54.5	35.6	279.6	236.2	60.6	38.3	22.5	14.6	12.2	6.0		
1934...	83.4	61.4	358.5	283.9	94.5	68.2	36.6	27.3	23.9	13.9		
1935...	95.3	78.1	407.2	341.3	110.4	89.5	33.9	25.6	19.5	12.8		
1936...	102.9	93.4	655.6	551.7	113.9	102.8	46.4	39.4	27.6	21.9		
1937...	117.7	115.7	908.9	818.0	128.3	124.1	60.0	61.4	47.9	47.5		
1931												
Jan...	67.8	43.2	406.8	383.6	70.5	38.8	31.8	27.5	30.3	19.6		
Feb...	68.9	56.3	357.3	378.6	72.7	56.7	31.3	27.6	31.2	21.3		
Mar...	71.7	60.6	393.6	420.8	76.7	62.5	32.3	27.9	33.8	25.0		
Apr...	73.2	62.8	379.9	388.1	78.6	65.4	33.0	28.8	32.4	23.8		
May...	74.3	65.9	392.6	401.7	81.2	70.0	28.4	24.3	29.8	21.1		
Jun...	71.3	57.4	412.1	428.3	77.2	59.4	29.6	25.1	28.9	20.5		
Jul...	67.1	51.1	355.7	353.5	72.4	52.6	29.2	24.1	28.4	18.8		
Aug...	65.3	49.2	307.3	303.9	71.1	50.7	29.9	25.4	26.6	16.2		
Sep...	64.5	43.9	315.4	306.2	70.0	44.1	29.7	25.8	25.1	15.1		
Oct...	55.0	44.0	289.7	286.0	58.0	44.4	27.3	23.7	23.4	12.7		
Nov...	54.3	44.6	295.1	308.0	56.9	45.6	25.8	22.3	22.6	11.4		
Dec...	62.0	48.8	301.4	298.7	67.0	50.8	26.4	22.8	23.1	12.1		
1932												
Jan...	63.7	47.7	291.1	284.6	70.6	50.4	22.1	18.4	22.2	11.2		
Feb...	66.2	51.7	285.3	275.8	73.3	55.0	26.9	24.7	22.3	11.6		
Mar...	64.9	46.8	291.3	282.2	71.2	48.6	28.6	26.5	21.7	11.8		
Apr...	60.9	44.0	270.3	260.9	65.8	44.6	27.5	24.9	22.3	12.0		
May...	61.0	47.5	261.5	244.2	66.8	50.8	25.4	22.4	20.8	11.1		
Jun...	60.4	42.1	245.7	237.5	66.9	44.6	23.3	18.9	18.3	9.3		
Jul...	58.3	39.3	223.8	209.1	65.0	41.2	24.1	18.9	16.6	7.9		
Aug...	52.0	30.7	210.2	209.9	57.3	31.0	22.5	18.0	15.6	7.6		
Sep...	46.5	23.1	197.1	188.2	49.9	21.1	23.3	17.7	13.9	6.2		
Oct...	41.0	24.3	203.0	195.1	42.1	22.2	25.4	19.9	12.9	6.2		
Nov...	43.8	26.7	223.7	208.5	46.0	26.2	25.3	18.3	13.1	6.3		
Dec...	47.5	30.1	227.9	215.9	51.2	30.3	23.8	17.9	12.7	6.3		
1933												
Jan...	51.5	32.3	220.2	198.7	57.4	34.5	21.1	14.6	11.2	5.6		
Feb...	50.5	29.0	222.5	204.2	56.6	30.6	20.1	12.5	10.1	5.1		
Mar...	45.4	25.0	234.6	213.9	50.1	25.6	20.0	12.7	8.5	4.4		
Apr...	45.5	28.7	246.6	222.7	50.9	30.6	20.1	13.2	7.9	4.1		
May...	49.0	34.3	295.1	254.2	54.8	38.4	20.2	12.3	7.7	4.2		
Jun...	51.9	36.5	303.3	254.6	59.1	41.1	17.1	8.6	8.3	4.6		
Jul...	58.7	39.1	304.0	243.1	66.8	43.7	21.9	12.1	9.6	5.5		
Aug...	61.9	44.9	292.8	247.0	69.6	49.9	26.4	18.0	13.9	6.1		
Sep...	64.7	43.4	289.7	224.9	72.5	47.6	25.3	16.7	14.9	6.8		
Oct...	59.5	39.0	302.3	245.3	65.1	41.2	24.5	17.5	18.8	8.7		
Nov...	53.8	34.7	321.4	267.6	57.5	35.4	24.9	17.3	18.4	8.9		
Dec...	61.5	39.5	322.1	258.7	67.0	41.2	28.0	19.8	16.5	8.0		

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Transportation equipment									
	"TRANSPORTATION" Group		Aircraft		Automobiles		Cars, electric and steam railroad		Locomotives	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	71.8	47.5	323.1	254.4	81.4	52.2	27.4	18.5	15.6	7.7
Feb...	85.2	64.6	348.8	276.0	98.7	73.7	32.7	25.2	15.0	7.9
Mar...	94.5	75.9	395.6	313.3	109.9	87.9	35.6	27.5	17.8	9.3
Apr...	100.3	82.8	412.5	317.5	116.5	96.2	39.9	31.5	19.6	11.1
May...	100.4	79.0	399.3	311.1	116.0	89.9	43.6	34.5	22.7	12.9
Jun...	96.2	70.1	441.7	346.9	108.3	76.8	49.8	39.8	25.2	14.8
Jul...	88.9	59.0	414.5	328.9	99.7	63.3	47.7	34.8	27.5	16.6
Aug...	84.1	62.8	369.9	301.4	93.8	68.5	43.7	34.6	29.8	17.9
Sep...	74.4	46.7	328.3	257.1	82.0	48.6	37.2	25.6	28.9	17.7
Oct...	64.3	44.4	291.0	236.6	69.6	46.6	29.5	20.9	28.9	17.2
Nov...	62.4	43.2	279.7	222.1	68.0	45.9	25.4	17.1	28.3	16.9
Dec...	78.6	60.3	297.9	241.8	90.1	68.4	26.6	17.8	27.1	16.8
1935										
Jan...	92.9	70.9	340.3	270.3	109.6	82.6	26.5	17.5	21.7	13.3
Feb...	101.3	84.5	338.7	285.1	119.1	98.8	34.7	26.0	21.7	13.5
Mar...	104.0	87.5	348.6	299.7	121.1	100.9	42.2	34.2	22.8	14.4
Apr...	105.0	91.2	371.1	314.8	121.5	104.9	48.2	41.9	22.6	14.7
May...	102.7	83.5	377.6	317.1	118.0	94.1	49.1	42.2	20.4	13.4
Jun...	93.7	73.1	401.1	334.7	108.7	83.7	38.3	27.9	19.6	12.8
Jul...	87.4	66.5	417.6	339.1	102.0	76.8	22.4	12.5	14.8	9.3
Aug...	83.6	63.7	437.0	372.8	96.4	72.2	23.1	14.6	15.8	10.1
Sep...	75.8	58.4	443.6	372.1	85.1	64.6	23.5	14.6	16.5	11.2
Oct...	92.4	76.9	463.4	393.9	106.4	87.5	28.3	20.4	18.2	13.0
Nov...	101.2	90.3	472.9	389.6	117.1	104.5	33.3	25.0	20.1	13.6
Dec...	103.6	90.9	475.0	406.5	119.7	103.8	36.9	30.6	19.7	14.3
1936										
Jan...	102.2	85.0	490.7	417.0	117.8	96.2	35.3	28.2	17.9	11.2
Feb...	99.4	76.3	529.5	436.8	113.5	84.3	37.8	30.4	19.5	13.6
Mar...	100.3	86.1	576.1	476.8	112.2	95.0	42.8	35.3	21.8	15.7
Apr...	104.4	99.2	612.7	503.6	115.3	110.1	47.4	40.2	23.8	17.9
May...	105.8	101.1	657.7	560.7	116.9	112.2	47.6	39.6	26.7	20.6
Jun...	104.7	98.1	673.0	583.2	115.5	108.3	49.2	41.4	28.9	22.4
Jul...	101.2	92.0	706.9	569.8	110.7	100.4	46.7	38.7	30.5	24.2
Aug...	92.2	79.7	696.2	551.3	97.6	83.6	50.9	42.4	29.7	24.6
Sep...	86.5	75.1	691.1	565.0	89.6	77.4	49.4	40.3	30.9	25.7
Oct...	101.5	94.8	704.8	605.7	109.8	102.1	50.6	45.8	32.4	26.9
Nov...	114.7	112.9	737.4	635.4	128.5	127.2	49.6	44.2	33.3	28.1
Dec...	122.0	120.5	789.3	715.0	139.2	137.2	49.0	45.9	36.0	31.4
1937										
Jan...	112.5	99.7	833.6	706.4	125.3	108.8	48.0	45.1	36.8	31.0
Feb...	115.4	111.4	872.5	760.2	127.3	122.7	54.2	51.2	41.4	37.1
Mar...	120.7	122.6	912.3	819.6	131.8	133.6	60.7	60.7	44.5	40.6
Apr...	125.0	127.2	938.8	860.7	136.5	137.3	64.8	67.9	47.1	45.0
May...	128.0	133.2	948.9	869.9	140.4	145.5	67.0	68.5	48.3	47.1
Jun...	126.3	126.8	961.3	883.8	138.2	136.6	68.2	72.0	48.8	51.2
Jul...	119.7	116.1	911.5	803.2	131.0	124.9	63.7	64.7	51.3	50.3
Aug...	111.5	111.1	936.1	853.3	119.1	116.5	64.7	67.8	51.9	52.5
Sep...	106.3	102.2	883.8	761.9	112.2	106.0	61.0	61.8	52.9	54.8
Oct...	122.2	128.2	903.7	836.7	134.0	139.3	60.4	64.0	52.6	55.8
Nov...	121.5	118.4	916.4	843.9	133.5	126.9	58.2	62.6	50.6	51.2
Dec...	103.4	91.0	888.4	816.8	110.5	91.5	49.4	50.1	48.8	53.5
1938										
Jan...	82.6	67.6	877.6	786.8	84.7	64.4	39.4	37.7	42.9	37.6
Feb...	79.9	65.9	882.9	814.7	82.1	62.7	37.3	36.9	39.4	36.9
Mar...	77.4	65.1	887.9	816.4	79.3	62.3	34.4	33.5	35.9	32.5
Apr...	71.9	64.9	874.6	803.6	72.9	63.3	32.9	30.5	30.8	25.6
May...	68.2	59.5	847.5	797.0	68.6	56.8	28.4	26.5	27.1	22.3
Jun...	62.4	57.4	813.6	764.3	61.5	54.4	25.3	24.0	25.1	19.6

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Transportation equipment continued		Nonferrous metals and their products							
	Shipbuilding		"NONFERROUS" Group 1/		Aluminum manufactures		Brass, bronze, and copper products		Clocks, watches, & time-record- ing devices	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	114.5	112.8	104.8	102.8	106.3	100.2	103.4	101.3	97.6	95.7
1924...	93.2	94.9	96.8	96.3	100.0	100.0	96.6	95.6	100.0	100.0
1925...	92.3	92.3	98.4	100.9	93.7	99.8	100.0	103.1	102.4	104.3
1926...	97.4	100.9	--	--	--	--	102.7	107.4	--	--
1927...	101.3	108.3	97.0	101.1	96.6	105.5	101.2	104.7	102.9	108.1
1928...	79.5	85.0	--	--	--	--	107.3	115.6	--	--
1929...	101.3	109.7	110.2	115.3	138.4	150.0	121.5	128.3	98.2	102.2
1930...	107.3	113.5	--	--	--	--	96.6	88.7	--	--
1931...	83.0	76.8	72.4	61.4	90.2	81.3	74.9	60.3	74.3	62.2
1932...	66.7	54.1	58.0	38.6	73.0	46.7	62.5	39.1	58.1	38.0
1933...	56.8	42.1	62.6	41.1	89.1	60.1	73.4	48.0	58.9	39.7
1934...	74.6	58.9	76.3	55.3	106.0	77.6	86.6	62.8	74.1	59.5
1935...	82.4	68.8	86.3	68.3	125.9	102.8	96.7	79.0	82.6	72.5
1936...	103.9	95.5	96.2	82.7	144.4	127.0	108.5	96.9	94.8	90.9
1937...	111.0	113.2	108.8	105.1	164.0	164.6	122.4	123.4	106.4	113.1
1931										
Jan...	93.3	90.9	76.7	67.3	97.2	83.9	81.8	68.9	76.8	69.3
Feb...	89.5	87.8	76.9	69.3	101.7	106.1	80.4	69.0	76.4	69.2
Mar...	86.3	83.1	76.7	71.3	103.3	108.2	80.5	71.0	75.8	68.1
Apr...	88.5	85.1	75.9	69.0	103.8	106.2	78.8	69.2	74.7	62.7
May...	85.9	86.2	74.4	66.2	100.8	95.3	78.2	67.9	72.3	59.4
Jun...	85.2	78.6	72.8	63.0	98.7	90.5	75.4	62.4	69.3	57.5
Jul...	81.7	72.2	71.1	56.4	97.6	85.9	73.7	57.5	70.2	55.1
Aug...	75.6	69.2	69.0	56.1	78.2	66.5	71.0	54.8	70.1	58.5
Sep...	76.8	64.6	69.9	56.4	76.9	65.4	71.2	52.2	75.0	63.9
Oct...	75.6	68.7	69.7	56.1	76.8	55.4	69.9	51.2	76.2	64.6
Nov...	78.5	66.3	68.6	53.6	73.4	53.8	69.0	50.3	78.2	63.5
Dec...	78.7	69.0	67.3	52.3	74.1	57.8	68.6	49.7	76.3	54.1
1932										
Jan...	75.6	66.2	64.3	47.3	74.7	57.4	67.4	47.7	69.7	45.9
Feb...	75.6	64.8	64.9	48.1	76.2	58.6	67.8	48.0	68.5	46.4
Mar...	74.6	61.7	63.5	44.3	77.6	50.2	67.0	44.8	65.5	40.8
Apr...	76.6	67.2	60.6	41.1	74.9	48.4	64.0	40.7	60.7	40.3
May...	73.2	58.7	57.5	37.2	70.4	42.1	61.7	37.8	57.4	34.0
Jun...	70.8	55.8	55.9	35.3	68.7	38.6	60.2	35.8	55.1	33.3
Jul...	64.3	54.0	50.0	30.3	66.7	36.0	58.2	33.9	41.0	25.3
Aug...	60.5	45.0	53.2	32.0	70.1	38.9	58.3	33.4	54.7	34.3
Sep...	58.4	44.4	55.0	35.2	72.4	42.7	59.7	35.4	53.2	35.1
Oct...	57.4	45.2	57.3	39.0	73.6	48.3	61.1	37.9	55.5	40.8
Nov...	56.7	41.7	57.8	38.2	75.2	50.3	62.4	37.8	58.0	42.2
Dec...	56.8	44.8	56.4	35.6	75.0	43.5	61.9	36.5	58.3	37.7
1933										
Jan...	55.2	40.3	53.1	31.9	74.7	47.4	59.6	34.3	53.5	31.8
Feb...	52.1	38.5	53.3	31.6	76.3	49.6	60.2	33.9	52.6	31.3
Mar...	49.2	35.4	51.6	29.1	76.5	48.4	57.7	31.9	49.4	24.8
Apr...	45.5	33.2	52.3	30.3	77.7	47.9	60.2	34.5	48.1	25.2
May...	48.6	35.7	54.7	35.0	80.3	53.4	64.5	42.5	51.0	28.9
Jun...	49.2	35.9	58.8	39.5	84.6	59.2	71.7	49.7	56.4	34.1
Jul...	53.6	39.6	61.9	42.6	89.6	62.2	79.0	55.9	57.1	38.9
Aug...	58.9	43.4	69.0	47.2	98.2	68.7	86.1	60.0	63.5	44.9
Sep...	65.8	49.3	74.2	50.9	103.1	69.5	88.2	61.1	68.0	51.3
Oct...	67.9	50.9	75.7	52.9	102.7	72.8	87.4	59.6	71.2	57.1
Nov...	65.6	50.2	74.5	51.8	102.4	71.5	84.7	56.5	71.1	57.8
Dec...	69.7	52.8	71.7	49.9	102.8	70.8	82.0	56.1	65.1	50.8

1/ Revised. Monthly data available from January 1931.

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INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Transportation equipment continued		Nonferrous metals and their products							
	Shipbuilding		"NONFERROUS" Group 1/		Aluminum manufactures		Brass, bronze, and copper products		Clocks, watches, and time-recording devices	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	67.2	51.8	69.8	47.2	101.7	65.1	81.4	55.6	62.7	45.0
Feb...	69.1	52.6	72.8	51.7	105.2	78.4	83.2	59.6	68.6	53.9
Mar...	72.7	56.1	76.9	55.7	109.1	83.1	90.1	65.6	73.2	57.0
Apr...	75.1	57.4	77.8	58.2	111.4	87.5	91.2	70.9	75.7	60.5
May...	76.9	64.1	79.1	59.2	107.8	84.4	94.9	72.4	76.1	63.0
Jun...	80.8	64.4	77.0	56.2	106.7	80.0	91.3	68.0	73.1	56.4
Jul...	74.0	59.9	73.7	52.0	97.6	63.5	87.7	63.7	71.6	53.0
Aug...	76.2	60.5	74.7	51.8	99.1	60.5	85.3	59.9	72.4	57.6
Sep...	76.4	61.1	75.9	53.7	100.9	68.3	82.3	56.8	75.8	62.9
Oct...	76.9	60.6	78.2	57.4	108.9	82.5	81.9	57.3	77.9	65.7
Nov...	74.9	58.1	79.4	59.1	111.0	86.9	83.4	59.1	80.4	68.9
Dec...	74.7	59.7	80.2	61.6	112.0	91.0	86.0	64.7	81.1	70.3
1935										
Jan...	74.6	60.3	79.1	59.6	112.9	86.9	88.5	69.8	76.9	57.8
Feb...	79.7	64.3	82.4	63.6	120.3	98.0	94.4	75.3	77.4	64.4
Mar...	81.9	68.3	83.8	65.0	124.3	102.3	96.2	76.9	78.1	66.9
Apr...	82.0	66.5	84.4	65.1	125.2	102.9	96.6	78.0	79.0	66.0
May...	84.1	70.8	84.1	64.3	125.7	101.9	95.6	75.3	79.5	65.6
Jun...	73.9	60.0	83.4	64.2	124.1	98.3	93.3	73.3	79.5	68.1
Jul...	79.1	64.0	81.9	61.6	122.7	91.6	91.7	71.8	78.6	63.0
Aug...	80.1	66.2	83.9	65.9	124.3	101.1	93.0	75.9	79.1	69.5
Sep...	83.8	70.3	89.0	72.1	129.3	106.1	97.2	81.4	85.9	78.2
Oct...	87.8	75.4	94.1	79.1	134.2	114.2	103.1	89.5	90.8	88.6
Nov...	90.6	77.4	95.0	79.4	134.6	115.5	105.6	90.1	93.1	91.7
Dec...	91.3	82.4	93.9	80.0	133.6	115.2	105.1	90.8	92.7	90.2
1936										
Jan...	92.6	82.8	91.3	74.2	132.0	112.0	104.0	88.1	89.3	77.8
Feb...	90.5	80.7	91.7	74.1	133.2	115.2	103.6	87.0	90.7	82.5
Mar...	100.2	91.1	91.3	74.8	138.4	120.0	103.2	86.4	90.9	83.0
Apr...	110.3	102.5	90.5	74.4	137.0	118.2	103.1	87.6	90.1	81.7
May...	109.6	102.8	91.2	76.5	137.5	118.3	104.1	90.7	90.4	83.0
Jun...	105.7	98.2	92.1	77.3	142.3	121.5	104.4	90.5	90.7	84.9
Jul...	106.8	99.0	91.9	75.8	146.8	123.8	104.6	89.4	90.1	87.0
Aug...	107.4	97.9	95.5	81.3	147.3	129.3	107.3	96.6	94.8	88.2
Sep...	110.5	99.5	100.1	87.2	148.1	127.2	111.9	102.8	98.4	96.2
Oct...	110.8	103.2	104.8	96.2	155.7	142.4	116.2	111.2	102.4	106.5
Nov...	105.2	97.3	106.6	98.9	157.8	147.9	117.9	112.2	104.8	111.8
Dec...	97.2	90.8	107.5	101.8	156.3	147.7	121.4	120.6	105.4	108.5
1937										
Jan...	102.2	96.9	103.1	94.8	157.9	147.7	123.8	122.1	102.8	102.7
Feb...	106.6	98.0	108.1	102.0	162.3	156.8	127.1	129.8	104.7	109.7
Mar...	115.5	115.8	110.8	110.4	164.9	167.9	129.7	138.1	106.4	115.5
Apr...	118.1	122.6	112.3	113.0	165.2	168.4	133.3	143.3	107.3	116.8
May...	115.8	119.2	112.2	111.2	167.0	173.7	131.3	136.6	107.9	115.7
Jun...	112.6	114.9	111.2	110.2	172.0	174.7	127.7	135.3	106.8	113.0
Jul...	105.8	106.9	109.7	105.1	174.6	173.2	124.3	126.0	100.8	104.0
Aug...	108.1	113.7	110.8	109.0	176.0	181.8	122.1	125.9	108.0	115.3
Sep...	112.1	113.9	112.1	110.3	174.0	174.8	119.9	122.2	111.4	122.4
Oct...	112.9	118.9	109.9	108.7	139.0	149.4	118.1	115.3	111.8	126.7
Nov...	111.9	116.4	106.8	99.0	164.0	164.6	110.3	99.4	109.2	115.9
Dec...	110.8	121.6	98.7	86.9	151.6	142.6	101.4	86.7	100.2	99.6
1938										
Jan...	104.8	109.8	88.8	74.9	138.0	124.9	93.1	77.1	84.5	82.0
Feb...	100.6	105.2	88.0	74.4	134.9	125.2	91.2	75.8	88.1	84.3
Mar...	100.0	105.1	86.9	74.3	133.5	129.5	90.5	77.5	85.9	79.1
Apr...	95.7	101.9	84.2	69.0	129.0	119.3	88.8	74.5	81.7	64.7
May...	98.4	102.6	81.8	69.0	126.1	119.0	87.3	76.0	78.9	64.4
Jun...	93.2	104.7	79.8	66.3	121.5	109.4	85.7	72.5	75.2	59.6

1/ Revised. Monthly data available from January 1931.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Nonferrous metals and their products—Continued							
	Jewelry		Lighting equipment		Silverware and plated ware		Smelting and refining—copper, lead, and zinc	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	105.1	105.9	101.3	96.7	100.6	98.1	102.8	103.2
1924...	99.8	91.8	100.0	100.0	100.0	100.0	100.0	100.0
1925...	95.1	102.3	98.7	103.3	99.4	101.9	97.2	96.8
1926...	—	—	—	—	—	—	—	—
1927...	96.2	106.9	92.9	97.3	93.4	102.3	89.9	90.4
1928...	—	—	—	—	—	—	—	—
1929...	111.4	113.3	104.2	110.6	92.6	96.5	91.3	99.4
1930...	—	—	—	—	—	—	—	—
1931...	74.1	65.6	65.3	60.4	65.3	54.3	54.4	45.9
1932...	59.5	42.8	47.0	35.3	53.7	36.8	41.4	26.6
1933...	59.3	37.7	46.5	31.6	54.1	35.1	42.9	27.4
1934...	73.0	53.3	58.3	42.5	62.4	45.1	57.2	39.6
1935...	78.7	60.0	73.6	57.3	60.1	47.3	66.2	50.3
1936...	63.4	65.5	87.3	74.2	57.0	47.2	73.7	62.9
1937...	94.1	79.9	101.6	94.2	64.9	59.8	82.1	81.5
1931								
Jan...	76.2	71.4	68.8	66.7	68.3	53.8	61.0	58.1
Feb...	78.4	67.2	68.6	64.0	70.2	61.9	59.4	56.8
Mar...	76.6	71.8	68.2	65.1	70.3	63.0	58.2	59.6
Apr...	75.9	68.6	68.2	65.1	66.9	60.4	57.9	55.0
May...	73.3	65.6	66.8	63.5	66.3	55.8	55.6	52.6
Jun...	72.3	63.9	66.0	63.0	66.5	52.3	54.8	49.2
Jul...	71.0	53.3	64.6	60.5	61.9	47.1	51.7	34.2
Aug...	72.3	62.2	64.8	58.4	62.6	50.4	50.6	36.9
Sep...	76.7	67.7	64.6	57.5	62.7	52.9	50.3	36.6
Oct...	76.5	68.8	61.8	55.5	62.8	56.1	52.2	39.5
Nov...	72.3	63.3	61.9	53.1	62.5	47.3	51.2	37.7
Dec...	67.8	62.7	59.8	52.6	62.0	50.0	49.9	34.4
1932								
Jan...	61.7	52.2	55.6	44.9	56.3	40.3	49.6	33.3
Feb...	64.9	54.1	54.5	44.3	57.0	42.7	49.1	33.8
Mar...	64.3	49.8	53.0	43.1	56.4	42.6	47.0	30.1
Apr...	60.6	43.3	51.4	39.4	55.6	39.5	45.0	28.8
May...	55.7	37.4	48.1	36.4	54.0	35.6	42.4	27.9
Jun...	54.0	35.2	47.8	36.4	52.7	33.0	41.1	25.9
Jul...	47.2	29.9	32.7	23.2	46.2	28.7	38.9	23.5
Aug...	53.9	33.5	41.5	28.4	49.8	30.7	35.4	21.0
Sep...	61.8	42.8	43.2	31.0	52.3	34.2	35.7	22.7
Oct...	66.7	50.1	45.5	31.9	55.1	41.1	38.2	24.9
Nov...	65.0	44.6	45.8	33.0	55.2	39.1	36.5	23.7
Dec...	57.6	40.7	45.4	31.1	53.5	33.9	37.5	23.7
1933								
Jan...	51.4	31.3	41.8	27.5	47.3	26.6	37.1	23.0
Feb...	53.9	31.2	39.9	25.5	50.4	28.3	34.7	21.7
Mar...	51.7	27.9	36.1	20.9	49.9	27.8	35.0	20.5
Apr...	51.7	29.1	37.3	21.9	46.8	26.9	34.8	21.5
May...	53.0	31.2	39.1	25.6	50.7	31.2	34.1	22.3
Jun...	56.2	33.5	42.0	30.1	51.5	32.9	34.1	23.6
Jul...	53.8	32.2	44.9	31.5	42.9	27.7	39.2	28.2
Aug...	62.5	38.7	50.3	34.5	48.4	31.7	46.9	31.9
Sep...	70.0	47.1	55.0	38.5	60.2	40.9	54.2	33.7
Oct...	73.8	52.7	56.6	39.2	66.0	49.2	55.6	35.1
Nov...	69.2	50.6	57.7	41.3	68.5	50.6	55.6	34.7
Dec...	63.9	46.4	57.7	42.7	64.7	46.8	53.6	32.4

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Nonferrous metals and their products—Continued							
	Jewelry		Lighting equipment		Silverware and plated ware		Smelting and refin- ing—copper, lead, and zinc	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934								
Jan...	59.5	41.5	54.2	37.2	61.0	40.6	52.8	33.7
Feb...	65.3	46.5	56.3	39.4	63.3	43.4	54.8	35.5
Mar...	69.8	48.9	58.3	42.4	65.1	46.6	54.6	37.6
Apr...	71.1	49.7	57.8	42.5	68.0	47.2	53.1	36.5
May...	70.6	49.4	59.1	43.3	66.1	47.8	55.1	39.5
Jun...	69.0	48.7	55.0	39.2	63.8	45.2	56.7	40.9
Jul...	66.4	45.5	55.1	38.9	52.1	36.6	57.6	40.6
Aug...	70.8	50.1	55.5	38.2	61.0	41.6	59.0	40.2
Sep...	79.8	59.1	59.0	42.6	61.7	45.4	58.3	40.0
Oct...	66.5	66.8	61.6	46.5	62.5	47.1	60.9	43.1
Nov...	65.2	66.1	63.1	48.6	63.2	50.4	61.9	43.5
Dec...	62.5	67.0	65.1	51.4	61.4	49.3	61.9	43.6
1935								
Jan...	74.2	55.4	64.9	50.9	58.1	41.1	60.7	43.5
Feb...	75.3	54.9	66.2	52.0	58.3	45.4	61.7	44.9
Mar...	74.9	55.0	70.9	52.9	59.9	46.6	62.1	45.2
Apr...	73.8	53.0	70.5	53.2	62.1	45.1	63.2	46.5
May...	70.4	52.3	69.7	50.0	63.4	49.9	65.1	47.8
Jun...	70.4	52.4	68.8	51.7	62.6	49.7	66.9	49.8
Jul...	72.0	51.4	63.7	50.8	54.4	40.6	65.4	49.6
Aug...	78.1	56.0	70.7	54.8	58.8	44.2	65.9	49.8
Sep...	88.8	70.8	76.3	59.4	59.1	48.2	68.4	52.5
Oct...	94.9	76.1	54.8	69.3	61.5	52.3	70.0	54.8
Nov...	90.1	69.4	64.8	70.9	62.2	53.0	72.0	57.9
Dec...	82.0	69.1	84.8	71.9	60.6	51.2	73.5	61.6
1936								
Jan...	74.6	55.7	81.0	66.4	56.5	42.8	74.0	59.2
Feb...	76.9	54.8	81.3	63.7	56.2	42.3	73.8	59.4
Mar...	74.9	54.7	78.3	62.8	56.4	45.2	73.2	61.4
Apr...	73.1	53.6	77.3	64.7	55.5	42.4	72.5	59.3
May...	72.6	54.7	81.7	69.1	55.3	42.7	72.0	60.7
Jun...	73.8	56.1	82.1	69.7	54.4	41.3	73.1	62.5
Jul...	75.9	54.7	78.7	64.1	48.7	35.9	73.2	61.4
Aug...	85.4	66.9	83.4	66.6	55.3	43.4	72.6	61.6
Sep...	95.7	78.3	91.8	75.9	57.5	47.6	73.6	63.4
Oct...	102.5	91.1	98.1	83.8	61.6	59.1	74.6	67.1
Nov...	101.6	84.8	104.6	98.0	63.4	62.0	74.9	69.3
Dec...	93.7	81.0	109.2	105.2	63.0	61.7	76.5	69.4
1937								
Jan...	85.3	67.6	78.9	70.1	59.4	49.9	75.9	67.8
Feb...	89.4	71.9	104.2	90.7	61.8	54.2	74.4	68.2
Mar...	89.6	75.7	111.6	110.3	63.4	58.6	76.5	74.5
Apr...	88.4	74.3	109.1	108.1	64.0	58.9	79.8	81.1
May...	89.4	75.4	107.3	102.5	64.0	59.7	82.6	84.0
Jun...	90.2	77.0	103.4	96.2	64.1	59.5	83.8	84.4
Jul...	92.1	74.5	98.5	89.6	63.6	57.1	86.6	86.4
Aug...	98.1	83.0	97.6	87.6	65.8	61.3	86.9	91.5
Sep...	103.3	91.4	104.6	99.5	68.5	69.0	87.7	87.7
Oct...	108.8	100.1	107.7	105.3	69.7	69.0	86.5	90.0
Nov...	102.5	88.2	103.0	96.8	68.3	62.2	83.0	83.0
Dec...	92.0	79.4	93.0	73.5	65.7	58.0	80.5	79.4
1938								
Jan...	84.1	68.0	73.9	53.7	59.7	46.3	76.5	73.3
Feb...	86.1	69.1	73.8	56.2	61.3	48.9	72.5	68.5
Mar...	86.8	67.9	71.6	55.6	61.6	51.1	70.9	65.5
Apr...	80.0	58.8	70.6	51.8	60.7	46.5	69.0	64.1
May...	75.3	56.9	67.9	51.7	59.3	46.3	67.0	63.4
Jun...	77.6	60.4	63.7	50.6	58.4	44.6	64.5	60.4

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Lumber and allied products							
	"LUMBER" Group 1/		Furniture		Lumber, millwork		Lumber, sawmills	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	101.5	100.0	98.1	96.9	96.7	95.6	103.6	102.5
1924...	98.3	95.5	96.2	96.4	98.8	99.3	96.8	99.2
1925...	100.2	101.5	105.7	106.7	104.5	105.1	97.6	98.3
1926...	100.3	102.4	110.3	113.4	102.7	103.3	95.5	96.6
1927...	93.9	96.6	108.8	111.8	90.7	90.5	86.6	89.0
1928...	92.1	94.1	106.7	107.5	86.7	86.1	84.4	87.2
1929...	95.2	97.3	111.9	114.0	84.6	83.5	87.7	90.7
1930...	75.8	72.5	89.0	80.7	64.4	61.1	67.6	67.6
1931...	56.0	46.2	73.7	59.2	51.1	42.0	41.1	33.6
1932...	43.6	26.6	57.4	34.6	35.0	21.4	31.7	18.4
1933...	49.9	30.3	61.0	35.9	33.2	18.7	39.6	24.4
1934...	56.6	37.4	64.6	42.1	36.8	22.0	48.2	32.8
1935...	63.6	45.9	75.6	53.6	45.3	30.2	53.4	39.5
1936...	71.1	57.6	84.8	66.0	54.1	41.0	59.1	49.2
1937...	76.6	67.2	94.0	78.0	60.7	49.3	62.1	56.5
1931								
Jan...	59.2	49.0	75.1	60.2	53.2	44.3	46.6	38.6
Feb...	59.2	50.5	76.3	65.0	54.3	46.5	45.4	38.1
Mar...	58.4	51.2	76.2	65.5	54.4	46.9	43.9	38.3
Apr...	58.7	49.7	74.9	62.5	54.5	46.9	44.3	36.8
May...	58.9	50.7	74.1	61.3	55.2	48.2	44.3	38.3
Jun...	58.2	49.5	73.0	58.2	53.4	46.3	43.8	38.0
Jul...	56.0	46.5	70.9	55.8	52.0	43.7	41.4	34.7
Aug...	55.8	45.9	73.4	56.4	51.4	42.4	40.3	33.0
Sep...	54.6	45.0	74.5	60.1	48.0	37.5	38.9	32.1
Oct...	53.6	42.7	74.6	59.5	46.4	35.3	37.6	28.9
Nov...	51.6	38.6	72.3	53.1	46.1	33.3	35.6	25.4
Dec...	48.2	35.2	69.5	50.8	44.6	32.8	31.4	20.7
1932								
Jan...	45.6	30.5	64.9	43.9	41.6	28.8	30.2	17.8
Feb...	45.9	30.0	68.6	44.4	39.6	26.2	29.8	17.7
Mar...	44.3	28.8	63.1	41.3	38.7	23.9	29.7	17.8
Apr...	43.7	27.3	58.9	36.1	36.6	22.9	30.8	18.2
May...	42.7	26.1	54.7	31.5	36.3	22.6	31.1	18.6
Jun...	42.2	25.0	52.3	29.0	34.7	21.1	31.7	18.5
Jul...	41.0	23.0	49.4	25.0	33.0	19.6	31.4	17.8
Aug...	41.4	23.9	50.4	26.5	32.7	18.6	31.7	17.9
Sep...	43.3	25.9	55.0	33.6	32.5	18.7	32.7	18.8
Oct...	45.1	28.0	58.7	37.6	32.1	18.7	34.0	20.0
Nov...	44.5	26.4	57.4	33.3	31.7	18.6	33.8	19.6
Dec...	43.4	24.5	55.7	31.2	30.8	16.8	33.0	18.3
1933								
Jan...	40.8	22.0	51.0	25.7	26.3	14.8	31.8	17.4
Feb...	41.1	22.5	52.0	27.5	26.8	14.3	31.3	17.2
Mar...	40.1	21.0	48.0	21.7	26.3	12.4	31.2	17.1
Apr...	41.5	22.8	46.1	24.0	26.0	14.5	32.5	18.1
May...	44.5	25.5	52.6	28.4	30.3	16.6	34.4	19.8
Jun...	49.1	29.3	53.4	33.6	33.3	19.2	38.7	23.1
Jul...	52.6	31.8	61.5	35.6	37.2	21.8	42.2	25.8
Aug...	56.1	35.8	67.9	43.5	36.4	22.9	45.1	29.0
Sep...	59.5	40.0	76.6	52.4	38.6	23.2	47.3	32.2
Oct...	60.1	40.6	78.1	54.6	37.5	22.6	48.0	32.4
Nov...	57.8	37.0	72.2	44.6	36.1	21.2	46.8	31.0
Dec...	55.5	34.8	65.9	39.7	35.4	21.1	45.6	29.4

1/ Revised from 1919 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 49 and 50, and monthly and yearly indexes 1919 to 1922 on page 55.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Lumber and allied products							
	"LUMBER" Group 1/		Furniture		Lumber, millwork		Lumber, sawmills	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934								
Jan...	51.0	30.5	59.7	34.4	32.8	19.2	42.2	25.9
Feb...	53.0	34.0	62.8	39.9	34.4	19.9	43.7	28.6
Mar...	54.6	36.0	63.1	40.7	35.4	20.8	45.9	31.2
Apr...	56.1	37.4	60.8	39.7	36.8	22.0	48.5	33.8
May...	58.4	39.5	61.7	40.1	38.3	23.4	51.2	36.5
Jun...	58.0	38.6	63.2	41.0	38.3	23.0	50.2	34.8
Jul...	57.0	36.0	63.4	39.5	36.2	21.1	49.3	32.1
Aug...	58.0	38.7	65.3	43.5	36.8	22.1	50.1	34.5
Sep...	58.4	39.4	67.7	45.4	37.4	22.2	49.7	34.6
Oct...	59.4	40.9	69.7	48.3	37.6	22.9	50.6	35.5
Nov...	58.2	39.1	68.6	45.7	38.9	23.6	49.1	33.9
Dec...	57.1	38.1	68.8	47.0	38.3	23.2	47.9	32.0
1935								
Jan...	56.2	36.3	68.0	44.3	37.5	21.1	47.0	31.0
Feb...	59.2	39.8	71.0	47.9	39.0	23.0	50.0	34.4
Mar...	60.9	41.6	73.4	50.6	40.4	24.2	51.3	35.8
Apr...	62.4	43.4	73.1	50.1	41.8	25.6	53.3	38.4
May...	61.6	39.7	71.6	48.1	43.0	27.0	52.6	33.3
Jun...	58.6	40.9	71.6	49.3	43.1	28.1	48.3	34.2
Jul...	63.0	43.9	74.3	49.7	45.7	30.6	53.1	38.2
Aug...	67.8	51.9	78.5	57.2	49.3	34.6	57.5	45.9
Sep...	69.4	54.8	81.1	61.1	52.0	37.4	58.1	47.9
Oct...	69.8	56.1	82.7	64.1	51.5	38.4	58.4	48.1
Nov...	68.0	51.9	81.8	60.5	50.7	36.3	56.4	43.8
Dec...	66.0	50.8	79.7	59.7	49.2	35.7	54.7	42.9
1936								
Jan...	64.3	47.7	76.5	53.0	47.9	33.3	53.7	41.7
Feb...	64.7	48.0	77.2	56.0	48.2	33.2	53.9	40.8
Mar...	66.7	52.3	77.3	57.3	49.5	36.2	56.4	46.3
Apr...	68.2	54.3	76.9	57.5	50.9	37.2	58.5	49.0
May...	70.1	56.8	78.1	58.0	52.2	39.4	60.4	51.9
Jun...	71.0	58.3	79.8	60.9	54.2	41.6	60.7	52.5
Jul...	72.3	56.8	83.3	62.2	54.2	40.0	61.2	49.8
Aug...	74.4	62.0	88.8	71.0	57.1	44.2	61.6	52.8
Sep...	76.1	63.3	92.5	73.8	57.6	43.9	62.5	53.8
Oct...	76.7	66.4	94.9	80.2	58.8	47.3	62.4	54.7
Nov...	75.0	63.1	96.3	80.9	58.8	47.0	59.3	49.2
Dec...	74.1	62.4	95.8	81.6	59.5	48.1	58.1	47.6
1937								
Jan...	72.1	57.3	93.9	74.7	59.3	44.7	56.0	43.6
Feb...	73.3	61.2	94.1	78.5	60.6	47.9	57.3	47.1
Mar...	77.3	67.9	95.6	80.5	62.3	50.0	62.2	56.2
Apr...	78.5	72.1	95.0	82.2	63.5	52.8	63.8	61.3
May...	79.6	72.1	95.5	80.3	63.1	52.1	65.4	62.3
Jun...	81.3	76.6	97.4	82.5	63.3	54.6	66.9	67.8
Jul...	81.5	71.7	96.5	78.0	63.1	52.0	67.7	62.7
Aug...	81.7	76.1	98.0	83.5	62.9	53.2	67.5	66.9
Sep...	80.4	72.6	97.8	82.6	61.2	50.5	66.0	62.6
Oct...	77.7	69.6	95.3	81.0	59.7	49.1	63.5	58.9
Nov...	71.0	58.5	87.3	69.3	56.4	43.9	57.4	48.2
Dec...	64.9	51.2	81.8	63.3	52.5	40.6	51.6	40.4
1938								
Jan...	60.0	45.1	75.1	52.0	48.4	34.7	47.9	37.5
Feb...	60.6	48.0	74.8	56.3	50.5	38.0	48.3	39.3
Mar...	62.3	51.8	74.6	56.8	50.7	39.5	51.0	44.5
Apr...	61.6	50.1	71.8	51.9	49.9	38.6	51.0	44.4
May...	61.0	50.5	70.0	50.4	48.7	39.5	51.1	45.4
Jun...	60.7	51.2	70.8	52.4	49.7	40.3	50.1	45.4

1/ Revised from 1919 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 49 and 50, and monthly and yearly indexes 1919 to 1922 on page 55.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Stone, clay and glass products									
	"STONE, CLAY, AND GLASS" Group		Brick, tile and terra cotta		Cement		Glass		Marble, granite, slate, and other products	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	100.4	98.3	100.6	98.1	95.0	94.6	105.1	103.4	104.5	101.7
1924...	98.9	100.5	98.7	101.1	101.0	102.9	95.5	96.9	100.0	100.0
1925...	100.7	101.2	100.7	100.8	104.0	102.5	99.4	99.7	95.5	98.3
1926...	103.8	104.2	102.9	101.8	102.1	100.9	103.8	103.9	—	—
1927...	99.9	100.5	99.0	96.7	98.3	101.1	94.3	93.6	105.6	113.0
1928...	95.7	96.2	92.3	87.5	92.6	96.9	92.6	94.5	—	—
1929...	93.8	93.7	91.5	84.7	90.3	92.9	96.7	100.9	98.7	104.0
1930...	80.2	76.9	72.2	62.2	84.6	83.4	83.8	82.9	—	—
1931...	63.7	53.9	50.2	35.2	65.8	56.9	71.5	66.5	72.2	68.8
1932...	46.7	30.6	31.8	15.5	45.8	29.8	59.6	45.5	47.9	35.3
1933...	49.4	30.8	31.3	15.0	42.8	26.4	71.3	52.0	43.1	27.7
1934...	61.6	41.7	38.0	21.2	55.4	38.7	91.5	70.9	43.3	28.3
1935...	66.6	49.0	43.7	27.4	56.0	39.8	96.1	82.2	39.7	26.8
1936...	73.9	60.2	55.2	40.2	62.0	51.0	98.4	91.8	46.8	35.0
1937...	80.6	72.5	60.5	48.2	71.1	65.9	107.4	112.5	49.1	37.8
1931										
Jan...	62.8	53.6	48.2	35.1	63.1	50.5	68.8	62.9	75.3	76.2
Feb...	63.9	57.6	48.4	37.1	63.7	57.1	71.5	71.3	76.9	75.4
Mar...	66.4	60.3	51.7	40.0	67.1	60.2	73.6	73.4	79.6	78.6
Apr...	68.8	62.4	55.5	41.8	71.4	65.3	74.2	72.4	80.7	82.6
May...	70.1	63.1	57.1	42.8	73.8	69.2	75.2	73.4	80.9	81.2
Jun...	69.5	60.6	57.1	41.0	71.5	68.4	77.3	73.9	79.2	77.7
Jul...	65.0	53.4	54.7	37.2	71.8	63.6	70.0	65.1	71.2	65.6
Aug...	64.2	52.4	52.2	34.8	68.1	59.5	72.0	65.7	69.6	63.6
Sep...	63.1	50.4	49.9	32.9	64.5	54.1	73.4	65.2	68.8	61.9
Oct...	60.1	48.1	45.6	29.5	63.0	50.8	70.1	61.7	65.9	60.3
Nov...	57.0	44.2	43.5	27.2	58.0	45.5	66.1	57.0	61.1	53.3
Dec...	53.7	40.3	38.5	22.9	53.8	38.6	66.2	55.8	57.1	48.9
1932										
Jan...	47.8	33.2	32.4	16.9	48.5	32.7	60.9	48.4	47.5	37.4
Feb...	48.8	35.1	31.0	16.1	47.7	33.0	64.2	55.0	49.1	37.8
Mar...	49.2	34.7	31.3	15.5	47.6	32.2	65.8	53.8	48.4	39.0
Apr...	49.5	34.7	32.9	16.5	48.0	31.8	64.2	53.0	49.8	40.4
May...	47.6	32.5	33.8	17.3	45.8	32.1	60.0	49.5	46.5	34.5
Jun...	45.3	29.1	32.2	15.5	46.0	30.9	58.8	46.3	41.0	28.1
Jul...	43.9	26.9	32.0	15.0	45.2	28.3	55.6	39.6	46.1	33.1
Aug...	44.5	27.6	32.8	15.7	42.5	27.8	53.9	38.3	50.7	36.5
Sep...	45.9	28.4	32.6	15.9	46.8	29.2	55.6	38.1	51.8	36.9
Oct...	47.3	30.0	32.1	15.3	47.8	30.1	58.4	41.4	51.3	36.9
Nov...	46.6	28.6	30.8	13.9	45.9	28.1	59.3	42.1	47.2	31.4
Dec...	43.7	26.7	27.4	12.4	37.2	21.8	58.8	40.2	44.8	31.0
1933										
Jan...	38.8	23.3	22.8	10.4	34.0	19.7	54.6	38.3	36.8	24.9
Feb...	40.2	24.0	23.1	10.4	33.7	19.7	57.0	39.2	39.8	25.5
Mar...	40.6	24.0	23.1	9.9	34.1	20.3	58.4	39.1	40.7	26.8
Apr...	42.3	24.6	25.2	10.9	40.2	22.5	61.3	42.3	36.3	21.8
May...	45.3	27.6	28.4	12.7	42.1	25.6	66.1	48.7	37.7	23.5
Jun...	50.3	31.9	32.2	15.6	48.2	29.8	72.7	55.3	42.8	27.9
Jul...	53.8	33.2	37.7	18.6	51.9	32.3	73.6	52.8	46.3	30.8
Aug...	57.5	37.2	40.1	20.6	54.9	36.5	79.4	58.6	47.6	31.4
Sep...	57.7	36.7	39.5	19.7	49.8	30.3	82.0	61.2	48.6	31.4
Oct...	56.6	37.0	36.7	18.2	43.3	29.2	82.7	62.5	49.6	32.5
Nov...	55.6	35.3	34.4	17.0	43.2	27.5	83.8	62.0	46.1	28.2
Dec...	54.5	34.7	32.6	16.3	38.7	23.6	84.5	63.4	45.2	28.0

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Stone, clay and glass products									
	"STONE, CLAY, AND GLASS" Group		Brick, tile, and terra cotta		Cement		Glass		Marble, granite, slate, and other products	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	53.2	33.5	30.1	15.7	39.0	23.9	85.4	64.3	41.0	22.2
Feb...	56.3	37.6	31.5	17.0	45.1	28.3	91.2	72.5	38.4	23.8
Mar...	59.3	39.5	33.4	17.9	47.0	30.3	95.7	73.5	41.1	27.1
Apr...	63.5	44.6	38.0	21.4	53.9	38.9	97.8	79.6	45.1	31.0
May...	66.5	46.1	41.5	23.8	64.0	45.3	96.8	74.8	48.1	35.6
Jun...	66.4	45.6	43.3	25.3	65.8	50.3	95.3	72.5	47.3	32.9
Jul...	63.5	42.8	40.5	22.6	65.2	49.3	90.7	68.7	46.3	30.9
Aug...	62.7	41.7	40.9	22.5	61.8	44.7	89.2	67.4	44.7	29.7
Sep...	62.8	41.7	39.7	21.8	60.9	42.9	88.9	66.7	45.4	29.5
Oct...	62.1	42.8	39.4	22.9	57.5	41.1	87.7	68.7	42.7	27.5
Nov...	62.7	42.9	39.8	22.5	55.5	37.9	90.1	71.3	41.6	25.9
Dec...	60.7	41.6	37.9	21.2	48.6	31.2	89.0	71.2	37.8	23.2
1935										
Jan...	57.9	38.6	34.9	18.8	43.7	27.8	88.0	69.3	31.6	17.7
Feb...	60.7	42.3	36.3	21.2	44.0	28.4	93.3	74.9	35.4	22.3
Mar...	63.1	45.4	39.0	23.1	48.0	31.6	95.3	80.5	35.3	22.8
Apr...	65.3	47.8	39.4	23.3	56.1	39.1	95.8	82.0	39.6	27.2
May...	67.6	49.5	41.8	25.1	63.6	45.2	96.4	80.9	42.1	31.2
Jun...	68.6	49.8	45.1	27.2	66.9	49.3	96.8	81.3	41.0	28.2
Jul...	67.8	48.3	46.2	28.4	64.3	46.6	94.3	76.4	43.4	29.3
Aug...	69.2	50.7	47.5	30.0	60.4	44.0	97.3	81.6	43.4	29.8
Sep...	69.4	52.3	48.0	31.7	58.4	43.3	97.4	85.0	41.6	28.9
Oct...	70.5	54.7	49.6	33.6	59.4	43.0	99.2	90.2	41.3	29.6
Nov...	70.1	54.0	48.8	33.0	56.0	40.7	100.1	90.5	40.8	26.8
Dec...	68.3	54.8	48.0	32.9	51.0	38.0	99.5	93.4	40.6	28.0
1936										
Jan...	63.1	46.5	43.9	28.2	43.1	28.6	93.6	81.6	34.0	21.9
Feb...	63.2	47.1	42.5	27.3	43.1	29.0	95.4	83.1	33.3	20.5
Mar...	67.4	53.5	46.0	31.7	50.4	38.8	96.6	88.4	40.1	28.3
Apr...	72.4	58.2	52.0	36.4	59.4	46.8	98.8	91.4	45.0	34.8
May...	75.3	61.6	56.5	41.6	66.3	53.8	99.0	92.3	47.2	39.8
Jun...	76.8	61.9	59.9	44.3	66.8	55.6	99.0	91.2	50.5	38.9
Jul...	77.3	61.3	60.9	44.1	68.2	57.3	98.7	88.4	52.4	39.9
Aug...	78.4	64.7	61.4	45.4	69.4	59.6	99.6	93.5	54.4	42.9
Sep...	78.7	64.7	60.7	44.5	70.4	60.3	99.1	91.9	53.4	40.4
Oct...	79.7	69.3	60.0	46.7	70.9	61.3	103.4	103.8	52.3	40.9
Nov...	77.6	67.8	60.0	46.4	69.4	62.4	97.4	100.2	50.7	36.2
Dec...	77.2	65.5	59.0	46.2	67.0	58.1	100.4	95.8	47.9	35.0
1937										
Jan...	71.9	58.4	55.2	41.0	61.7	49.3	92.6	85.2	42.4	30.0
Feb...	77.1	66.3	56.4	43.0	63.0	52.0	107.4	108.0	43.9	31.6
Mar...	80.9	73.2	59.7	48.2	68.7	61.8	109.9	116.0	47.2	35.4
Apr...	84.0	78.8	64.5	55.7	72.4	67.7	110.7	121.1	50.4	40.9
May...	85.7	79.8	66.6	55.6	74.1	70.7	112.1	119.8	52.5	43.6
Jun...	85.2	79.0	66.0	55.6	75.3	74.2	112.2	120.3	51.5	39.6
Jul...	82.7	73.0	65.2	52.0	75.3	71.7	107.7	109.4	51.9	40.4
Aug...	82.8	77.9	63.1	52.2	75.5	76.2	109.4	121.2	52.1	41.8
Sep...	83.6	76.9	63.3	51.6	75.5	72.0	110.9	119.6	52.6	41.9
Oct...	82.0	76.7	60.6	49.0	74.8	71.4	109.7	120.1	50.7	39.9
Nov...	78.2	69.9	55.1	40.3	71.5	66.6	106.5	112.7	49.2	36.5
Dec...	72.5	59.9	49.9	34.1	65.5	57.4	99.8	96.5	44.5	32.5
1938										
Jan...	63.1	47.9	42.8	26.9	54.3	43.9	87.6	77.7	36.7	24.9
Feb...	63.0	51.3	42.9	28.2	53.3	44.2	85.4	80.7	40.2	30.3
Mar...	63.7	53.0	43.8	28.8	57.7	49.7	83.5	81.4	41.2	31.6
Apr...	65.4	54.3	47.0	32.3	64.6	58.0	81.6	77.6	41.8	33.1
May...	66.0	57.7	48.4	35.7	66.7	65.7	80.7	79.1	43.4	35.5
Jun...	65.8	56.4	48.3	36.0	68.1	65.1	79.3	77.6	43.7	33.8

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Stone, clay, and glass products—Con.		Textiles and their products							
	Pottery		"TEXTILES" Group		"FABRIC" (subgroup)		Carpets and rugs		Cotton goods	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	98.5	97.8	105.2	105.8	105.4	106.0	103.8	109.2	106.7	110.1
1924...	103.8	104.3	94.9	93.8	94.2	93.4	96.2	93.3	92.5	91.6
1925...	97.7	97.9	99.9	100.4	100.4	100.6	100.0	97.5	100.8	98.3
1926...	99.7	99.3	99.9	100.2	99.2	99.4	97.8	93.8	101.9	98.5
1927...	98.0	94.5	104.0	106.8	101.3	103.8	96.9	94.5	105.8	105.7
1928...	98.8	93.9	101.3	101.7	96.2	95.8	92.8	85.7	95.5	88.4
1929...	94.7	91.4	104.8	105.2	99.2	99.4	96.2	90.1	96.1	90.1
1930...	82.9	74.1	92.9	85.6	86.0	79.4	74.2	59.7	80.7	69.4
1931...	72.3	56.4	87.2	75.2	80.3	70.2	67.5	54.3	74.5	61.0
1932...	58.6	35.9	77.9	53.6	71.9	50.4	52.9	31.4	67.1	43.9
1933...	63.2	37.4	90.5	61.8	86.4	61.4	62.8	41.0	85.9	60.2
1934...	74.5	49.5	96.7	73.4	90.4	69.8	68.7	45.0	89.3	68.2
1935...	77.1	58.7	103.5	83.2	95.0	77.9	81.5	62.5	83.5	65.8
1936...	78.6	65.5	106.7	86.8	96.3	80.6	85.4	66.6	88.8	74.0
1937...	83.0	76.7	108.5	92.4	99.0	88.1	95.7	77.5	95.5	86.9
1931										
Jan...	75.7	58.6	84.8	73.5	78.2	68.9	61.9	47.0	72.8	61.6
Feb...	76.4	63.6	88.5	82.0	80.8	75.1	66.3	58.4	72.8	62.1
Mar...	75.6	65.3	91.2	85.8	82.7	76.6	70.5	60.3	76.2	65.8
Apr...	76.9	68.4	90.4	81.2	82.0	74.6	71.6	60.6	76.6	67.3
May...	78.3	66.7	89.9	78.4	83.0	75.6	72.6	61.5	78.4	68.5
Jun...	73.9	56.0	87.3	74.6	81.0	71.8	71.8	59.5	76.2	64.1
Jul...	67.8	46.3	85.6	73.2	80.1	69.6	70.3	57.3	75.3	61.9
Aug...	69.9	51.2	87.2	76.1	80.5	71.0	71.7	56.2	74.0	60.4
Sep...	69.8	49.1	88.5	75.1	80.5	68.1	65.6	50.6	74.3	58.6
Oct...	69.5	52.6	86.5	71.6	78.8	65.6	65.6	49.2	72.9	56.4
Nov...	68.3	51.4	83.7	65.7	78.1	62.7	62.0	46.9	72.2	52.5
Dec...	65.0	47.8	82.9	65.1	77.7	62.7	60.3	44.2	72.4	53.2
1932										
Jan...	61.8	42.0	81.6	62.1	76.5	59.4	60.3	43.7	71.4	51.6
Feb...	65.4	45.7	84.9	66.4	79.0	62.6	59.4	39.7	73.9	54.6
Mar...	65.6	45.8	83.3	64.5	76.1	57.9	60.2	40.4	73.4	53.0
Apr...	64.4	42.8	77.6	54.2	70.0	48.4	56.1	35.3	67.6	44.8
May...	60.8	36.8	72.2	45.9	64.7	41.6	53.3	29.1	61.9	37.7
Jun...	55.6	30.3	67.7	41.5	60.7	38.5	50.6	25.1	55.7	32.2
Jul...	46.7	23.6	63.1	37.0	58.9	35.8	43.4	22.2	53.7	30.0
Aug...	50.3	25.9	71.1	46.4	66.7	43.9	46.1	23.0	59.3	35.0
Sep...	52.8	29.0	81.4	57.3	75.6	53.8	46.3	24.0	69.7	46.0
Oct...	58.2	36.2	85.6	60.8	79.3	57.5	53.2	33.2	73.4	49.1
Nov...	60.7	36.7	83.9	55.2	78.3	53.9	54.1	31.7	73.0	47.1
Dec...	60.3	35.8	82.1	51.9	77.1	51.7	51.7	29.5	72.7	45.3
1933										
Jan...	53.5	27.5	80.0	48.8	75.6	48.0	50.7	25.5	72.3	43.7
Feb...	56.1	30.3	83.1	53.4	76.5	50.0	49.2	23.8	71.7	43.4
Mar...	55.8	29.8	78.2	46.0	70.5	42.1	47.6	24.2	69.3	39.7
Apr...	55.7	29.2	80.7	49.8	72.2	44.2	47.3	23.9	70.7	41.1
May...	57.7	30.6	84.8	52.6	78.4	51.4	51.2	31.4	76.3	47.5
Jun...	60.8	34.2	92.2	60.0	88.5	61.9	58.9	40.5	88.4	59.2
Jul...	62.8	35.0	98.0	65.1	97.0	68.7	69.5	48.6	97.8	67.1
Aug...	68.3	44.5	100.7	74.5	99.7	78.4	73.7	55.1	99.9	80.2
Sep...	70.2	45.4	101.0	79.0	97.7	76.3	77.4	58.9	97.9	78.0
Oct...	72.8	49.0	100.5	77.8	96.7	76.0	81.5	63.1	99.1	78.6
Nov...	72.3	47.2	95.9	69.9	93.5	71.5	76.0	51.5	95.3	73.7
Dec...	72.3	46.2	91.4	64.9	90.0	67.7	70.8	45.7	92.4	69.7

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Stone, clay, and glass products-Con.		Textiles and their products							
	Pottery		"TEXTILES" Group		"FABRIC" (subgroup)		Carpets and rugs		Cotton goods	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	69.5	42.8	91.9	66.4	89.9	66.7	69.1	46.7	93.1	71.8
Feb...	73.6	47.3	101.2	79.4	96.9	77.1	72.0	44.6	97.7	77.4
Mar...	76.5	50.8	104.9	84.3	99.1	79.3	74.9	51.0	100.8	81.4
Apr...	79.3	54.0	104.1	81.5	97.4	77.8	72.4	50.3	100.8	82.2
May...	79.9	54.2	101.4	75.8	95.8	73.6	70.1	48.6	98.8	75.7
Jun...	74.4	48.0	96.5	68.7	91.1	66.3	70.5	51.5	91.6	61.8
Jul...	69.7	43.0	91.7	65.1	88.5	64.2	69.3	43.2	89.6	62.3
Aug...	69.2	43.0	94.6	71.0	87.3	64.3	67.3	42.3	85.8	59.3
Sep...	72.4	46.9	79.8	60.5	63.7	48.8	66.3	40.5	48.1	35.3
Oct...	74.9	52.0	98.5	77.1	90.2	71.3	65.0	40.1	87.9	70.4
Nov...	76.4	54.5	97.0	73.2	90.1	70.5	61.5	37.0	87.8	67.7
Dec...	77.6	57.1	99.1	77.4	94.4	77.9	65.4	43.7	89.5	72.8
1935										
Jan...	76.9	54.1	102.0	80.7	96.7	80.1	68.2	47.7	90.1	73.5
Feb...	78.7	57.9	105.6	87.2	96.3	82.4	71.6	52.1	90.3	74.4
Mar...	80.4	60.4	106.9	89.7	97.5	81.1	77.3	59.4	89.1	72.0
Apr...	81.0	61.7	105.1	85.9	94.6	76.3	81.2	64.8	85.6	65.8
May...	79.2	58.6	101.7	79.0	92.6	73.8	81.7	64.0	82.0	62.7
Jun...	74.2	54.2	98.6	74.6	91.1	71.1	83.4	66.7	79.3	57.7
Jul...	69.9	49.8	96.1	72.3	89.6	69.6	84.8	65.6	76.6	56.3
Aug...	74.9	55.3	101.9	83.0	92.0	75.5	85.8	70.1	75.9	56.8
Sep...	77.5	59.4	105.3	88.8	94.6	79.2	88.1	72.6	79.3	62.4
Oct...	76.7	62.7	107.1	86.6	96.9	81.8	86.4	63.4	82.4	67.2
Nov...	78.2	64.2	106.0	83.3	96.0	80.8	84.6	60.1	84.6	68.1
Dec...	77.2	65.6	105.9	85.7	98.2	83.6	84.4	63.0	86.2	72.3
1936										
Jan...	74.1	57.2	104.1	83.2	95.9	78.5	79.2	56.7	85.8	69.9
Feb...	75.7	62.2	105.3	85.5	95.2	78.3	78.8	59.8	85.7	70.0
Mar...	79.6	67.6	106.9	89.6	95.0	78.5	82.9	60.3	85.8	69.3
Apr...	80.0	66.8	105.8	84.8	93.6	76.8	81.5	59.4	84.7	68.6
May...	78.6	62.0	103.3	81.3	92.2	74.7	81.9	59.0	84.7	68.9
Jun...	76.3	58.6	101.8	79.1	92.0	74.6	82.4	58.5	85.0	69.4
Jul...	74.9	56.5	101.7	79.4	93.5	76.7	81.8	60.3	87.6	71.8
Aug...	76.4	61.7	108.1	91.0	96.7	82.5	84.5	66.9	90.3	75.6
Sep...	80.9	69.5	109.8	87.3	97.7	79.9	89.4	73.7	91.6	74.7
Oct...	82.4	74.6	110.6	92.0	98.9	84.5	92.5	79.7	93.2	79.4
Nov...	82.3	75.7	110.9	90.2	100.6	86.1	93.4	79.6	94.9	80.6
Dec...	81.7	73.7	112.6	97.4	103.7	96.1	96.9	85.8	96.8	90.0
1937										
Jan...	80.0	71.4	113.2	97.5	104.2	95.1	97.1	85.2	98.0	91.7
Feb...	82.9	76.4	116.6	103.6	105.4	96.6	99.0	87.3	99.6	92.0
Mar...	86.7	83.4	117.7	107.3	105.5	96.4	101.4	91.4	100.3	92.9
Apr...	87.7	81.5	116.2	103.1	105.3	99.0	102.0	90.1	100.9	98.6
May...	87.3	84.7	113.2	99.0	103.9	96.6	101.2	89.5	100.6	97.5
Jun...	85.4	79.4	108.9	93.6	101.3	92.6	100.6	89.0	98.3	92.6
Jul...	77.7	66.7	105.0	87.0	99.5	88.4	98.9	86.1	97.3	88.6
Aug...	80.9	73.1	108.5	95.2	98.8	88.9	99.9	86.7	96.2	88.8
Sep...	82.3	75.4	107.4	90.1	96.4	84.2	98.5	75.1	93.8	84.6
Oct...	84.1	82.4	104.5	87.2	93.4	80.2	87.8	57.0	89.5	77.9
Nov...	82.1	79.1	97.2	73.8	88.6	70.7	84.8	44.1	86.9	70.2
Dec...	79.2	67.4	93.1	71.0	85.3	68.2	77.6	48.3	84.8	67.8
1938										
Jan...	74.4	57.6	89.7	68.0	82.1	64.4	66.2	40.5	82.6	64.3
Feb...	75.1	66.2	94.7	77.9	83.1	69.0	71.8	48.5	81.8	65.1
Mar...	75.5	67.5	95.0	78.0	82.2	67.6	71.8	50.7	82.4	66.5
Apr...	74.4	63.8	91.8	71.6	79.5	63.3	67.8	46.0	79.3	62.1
May...	73.3	65.5	87.4	66.3	78.0	62.0	63.1	41.5	77.1	60.3
Jun...	73.0	61.0	84.6	62.4	77.2	61.2	48.0	35.5	76.0	58.5

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Textiles and their products--Continued									
	Cotton small wares		Dyeing and finishing textiles		Hats, fur-felt		Knit goods 1/		Silk and rayon goods	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	104.4	105.5	97.4	96.1	106.4	107.4	105.1	103.9	99.7	97.4
1924...	92.6	91.8	93.9	92.7	97.1	90.5	93.9	92.0	94.8	93.0
1925...	103.0	102.7	108.7	111.2	96.5	102.1	101.0	104.1	105.5	109.6
1926...	--	--	110.8	114.2	--	--	101.4	108.6	102.9	107.8
1927...	95.3	101.3	113.5	121.5	101.2	114.1	103.0	116.1	101.5	107.6
1928...	--	--	114.9	121.8	--	--	104.8	117.4	101.0	107.5
1929...	97.4	102.1	121.8	124.8	105.3	112.3	112.9	130.1	103.8	105.6
1930...	--	--	112.0	108.7	--	--	103.2	109.7	95.1	87.2
1931...	81.7	76.8	103.3	101.2	89.6	82.5	96.3	92.3	86.9	74.8
1932...	72.2	56.2	92.8	73.8	72.6	54.5	94.2	77.2	74.0	48.4
1933...	84.3	66.5	101.8	77.5	79.8	59.5	102.7	81.5	87.8	56.9
1934...	86.0	71.1	113.6	83.5	86.4	71.0	110.5	100.2	88.4	66.0
1935...	85.8	73.4	118.2	94.5	93.3	82.0	119.0	113.9	86.5	68.8
1936...	87.0	77.8	115.8	97.3	96.3	88.7	121.8	118.0	77.8	61.5
1937...	89.8	82.6	114.8	100.5	95.2	89.3	122.3	123.1	78.0	64.6
1931										
Jan...	82.1	80.5	110.5	107.0	94.9	92.1	89.9	87.0	92.6	78.9
Feb...	86.7	88.3	113.1	119.7	96.8	97.2	94.4	94.8	95.9	87.3
Mar...	90.9	95.4	112.3	117.7	97.6	83.2	95.2	96.4	95.0	85.3
Apr...	90.8	90.0	109.8	113.1	95.9	74.5	95.4	94.8	92.8	81.3
May...	87.6	85.7	105.9	105.9	88.8	78.0	96.4	96.5	89.2	76.7
Jun...	82.4	76.7	100.3	95.6	84.9	76.7	97.3	94.7	79.6	68.0
Jul...	79.0	71.9	96.4	92.5	91.5	83.2	95.4	86.8	75.9	65.9
Aug...	77.3	68.6	98.2	97.3	93.5	97.6	97.1	90.3	78.2	69.7
Sep...	77.3	67.6	100.7	96.4	93.6	100.5	98.4	90.9	83.3	70.5
Oct...	76.4	68.9	97.0	89.4	85.5	73.8	99.2	93.7	87.3	74.2
Nov...	76.0	64.2	96.6	89.0	76.3	61.9	99.7	92.4	86.0	69.3
Dec...	73.9	63.8	97.3	90.3	76.1	60.7	97.1	89.8	86.9	70.4
1932										
Jan...	75.9	67.0	97.7	85.7	75.5	60.1	93.3	80.5	85.9	64.6
Feb...	78.6	70.3	101.6	95.8	73.4	56.8	95.0	85.4	86.3	63.0
Mar...	78.1	66.0	101.7	92.1	73.5	58.4	95.5	83.8	73.3	47.9
Apr...	74.4	56.7	96.0	76.3	68.3	40.0	93.4	77.4	67.9	43.1
May...	68.8	50.8	89.6	63.5	62.7	33.1	90.5	70.7	60.2	36.2
Jun...	66.1	47.2	86.1	63.9	62.3	37.3	89.8	69.7	55.1	32.1
Jul...	64.4	44.7	77.9	49.3	65.7	44.2	82.2	59.4	56.0	33.5
Aug...	64.1	44.6	62.8	61.7	75.2	60.4	88.3	67.2	71.6	47.2
Sep...	66.3	53.0	94.4	77.9	82.4	79.0	97.1	81.0	81.5	53.0
Oct...	75.7	61.1	94.8	75.0	82.2	70.9	102.8	88.7	86.5	57.6
Nov...	77.2	57.8	95.5	70.3	77.2	57.8	103.9	85.8	82.3	51.5
Dec...	74.5	55.6	95.7	70.1	72.7	55.5	98.6	77.2	81.7	50.6
1933										
Jan...	72.4	52.7	95.1	69.3	72.3	51.2	95.2	68.5	82.5	47.6
Feb...	76.3	53.7	96.5	75.0	73.9	48.1	94.4	69.0	83.1	48.8
Mar...	72.4	51.2	93.5	65.9	71.3	42.2	90.7	63.2	73.6	40.4
Apr...	74.0	52.5	95.0	71.2	73.8	42.7	93.5	66.6	74.8	40.8
May...	78.7	62.0	96.3	73.7	74.7	45.6	98.3	73.4	81.9	48.6
Jun...	66.0	69.0	101.1	80.2	76.3	56.7	105.6	80.5	85.6	53.3
Jul...	94.7	78.0	109.7	85.8	78.6	60.1	108.5	81.4	95.8	62.2
Aug...	99.8	83.0	115.1	87.2	92.4	76.8	107.3	91.5	102.8	76.2
Sep...	96.5	79.2	96.9	70.7	95.2	86.4	112.1	97.6	101.1	71.6
Oct...	94.2	78.0	94.9	72.4	87.0	77.8	113.5	101.7	92.2	66.9
Nov...	85.6	68.0	114.5	90.6	81.4	65.7	109.0	95.7	92.3	65.5
Dec...	81.3	65.1	113.0	87.5	80.3	61.0	103.7	88.9	87.9	60.8

1/ Weighted. Monthly indexes for "Knit Goods" and the 4 subdivisions of this industry from January 1923 to June 1938 are shown on pages 51, 52, 53, and 54.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Textiles and their products--Continued									
	Cotton small wares		Dyeing and finishing textiles		Hats, fur-felt		Knit goods 1/		Silk and rayon goods	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	79.5	65.3	112.2	85.4	80.6	61.6	99.7	77.0	87.9	61.3
Feb...	93.1	81.1	121.1	101.5	84.9	70.7	108.5	98.4	100.3	76.5
Mar...	100.4	88.1	125.4	103.2	86.2	70.9	113.5	104.8	99.4	75.1
Apr...	99.2	85.7	124.6	99.6	85.8	61.3	115.6	106.7	92.0	69.6
May...	92.1	76.1	120.9	92.3	87.7	72.1	116.4	106.2	85.4	61.9
Jun...	84.5	67.0	113.0	76.6	84.5	69.0	113.3	101.3	88.5	64.9
Jul...	79.3	61.7	106.4	74.2	84.5	80.2	105.9	90.9	86.1	61.5
Aug...	80.2	62.8	107.7	80.8	90.6	87.1	106.7	93.7	86.7	65.6
Sep...	72.9	56.5	97.5	79.5	91.3	75.9	105.4	95.4	68.3	45.2
Oct...	84.6	71.2	114.2	87.3	87.5	63.0	113.4	109.1	89.1	70.0
Nov...	82.1	65.5	97.8	76.9	85.1	65.8	114.0	108.5	88.0	68.5
Dec...	84.6	71.8	122.9	104.6	87.8	73.8	113.9	109.8	89.5	71.4
1935										
Jan...	86.2	74.5	125.5	108.0	88.5	70.8	113.7	108.5	94.7	75.2
Feb...	92.3	83.4	126.2	105.8	91.4	81.9	117.2	114.2	95.4	77.0
Mar...	91.5	80.1	125.2	105.5	93.3	83.3	119.5	116.5	89.8	72.1
Apr...	91.2	78.6	122.7	100.6	93.0	74.0	119.8	114.2	83.3	65.5
May...	89.4	74.8	117.8	90.7	89.8	71.4	118.7	109.2	77.3	59.9
Jun...	80.4	63.2	115.0	83.0	85.4	72.2	115.5	103.5	74.1	56.6
Jul...	78.7	62.1	108.5	77.3	91.4	85.3	112.5	98.0	80.0	60.9
Aug...	75.4	60.9	110.3	88.7	99.8	101.2	118.4	113.3	88.6	71.6
Sep...	81.0	69.2	112.2	90.5	99.5	97.2	121.9	121.0	91.5	73.9
Oct...	84.3	73.7	116.7	93.0	95.9	78.1	124.7	125.5	91.1	75.0
Nov...	88.7	76.8	119.7	92.7	95.1	77.7	124.3	124.3	85.1	67.0
Dec...	89.9	83.5	119.0	98.3	96.0	91.0	121.6	118.5	86.8	70.3
1936										
Jan...	87.6	76.9	118.1	97.2	97.5	88.9	117.5	107.7	82.5	63.2
Feb...	83.6	72.3	118.0	96.4	96.5	92.9	119.5	112.7	76.5	56.5
Mar...	84.2	74.1	119.8	100.6	96.6	91.1	121.1	117.8	75.9	58.9
Apr...	86.4	77.4	119.5	100.9	96.0	76.5	120.7	115.5	76.0	58.9
May...	83.9	72.9	114.7	92.2	96.5	83.5	119.0	109.8	71.0	54.4
Jun...	82.2	71.1	111.6	87.8	96.5	89.3	117.0	107.9	72.1	56.1
Jul...	82.0	71.2	109.5	89.4	98.0	93.9	117.4	103.6	75.0	59.7
Aug...	85.3	76.9	111.3	94.8	100.3	106.4	121.7	122.6	79.6	66.0
Sep...	87.4	76.6	111.5	93.2	97.2	90.8	126.0	122.5	81.5	64.5
Oct...	92.0	86.6	115.0	97.8	92.7	72.5	126.9	129.8	81.5	67.0
Nov...	93.8	84.9	118.0	100.6	92.1	81.0	126.9	129.7	80.0	63.8
Dec...	95.8	92.7	123.0	116.5	95.1	93.1	127.7	131.5	81.4	68.4
1937										
Jan...	96.6	90.5	122.4	112.1	98.2	102.9	125.7	124.8	82.7	68.0
Feb...	96.9	91.1	123.0	111.8	100.2	111.7	127.9	131.2	83.7	70.8
Mar...	98.3	94.9	123.3	112.5	100.9	106.6	128.6	131.2	82.7	70.2
Apr...	97.7	94.0	123.3	114.6	97.9	78.5	128.2	131.8	82.2	70.7
May...	88.9	83.1	118.9	106.2	92.2	82.5	126.6	129.7	78.8	67.9
Jun...	88.2	79.5	109.9	95.9	92.2	86.7	122.3	122.7	79.2	67.9
Jul...	86.9	78.5	109.3	94.2	92.7	95.6	120.9	116.4	79.7	66.8
Aug...	87.3	78.8	109.6	93.8	98.0	102.9	120.8	123.9	80.3	65.2
Sep...	88.5	83.2	110.6	95.0	94.5	81.8	121.0	121.1	79.9	67.6
Oct...	89.1	84.0	112.3	94.6	91.7	73.4	121.1	128.1	75.4	61.9
Nov...	82.6	68.6	108.9	89.1	91.7	72.2	116.6	117.0	67.7	50.4
Dec...	76.9	65.0	105.5	86.6	92.2	76.8	107.6	99.4	63.3	47.7
1938										
Jan...	71.4	59.0	103.8	84.1	91.3	77.5	103.4	94.2	57.8	40.1
Feb...	73.0	65.8	105.1	89.7	92.4	86.2	107.9	108.4	59.4	45.3
Mar...	72.7	67.2	105.2	89.1	92.3	79.9	108.6	110.7	59.8	46.6
Apr...	70.7	61.3	103.6	86.1	89.1	63.4	107.6	106.5	59.7	45.4
May...	70.4	62.0	101.9	83.2	74.4	56.4	103.3	101.6	59.2	46.1
Jun...	68.3	59.9	98.0	75.8	61.3	48.5	103.9	99.9	53.5	40.8

1/ Weighted. Monthly indexes for "Knit Goods" and the 4 subdivisions of this industry from January 1923 to June 1938 are shown on pages 51, 52, 53, and 54.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Textiles and their products—Continued									
	Woolen and worsted goods		"WEARING APPAREL" (subgroup)		Clothing, men's		Clothing, women's		Corsets and allied garments	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	109.3	109.1	105.4	105.6	107.0	109.3	104.3	103.2	105.2	103.4
1924...	97.9	97.6	96.1	94.9	97.3	96.1	96.6	94.3	100.0	100.0
1925...	92.8	93.3	98.5	99.5	95.7	94.6	99.1	102.5	94.8	96.6
1926...	84.1	84.0	99.8	99.6	97.4	94.8	104.2	104.7	—	—
1927...	86.7	84.7	105.8	107.6	102.5	99.5	121.0	123.6	90.0	96.7
1928...	83.1	79.2	108.3	107.5	101.3	95.5	133.7	132.5	—	—
1929...	82.6	80.1	113.3	111.0	103.2	95.8	146.8	142.6	89.2	97.0
1930...	67.2	60.5	105.0	93.6	91.4	74.7	142.2	127.9	—	—
1931...	67.1	57.3	99.7	80.6	84.9	62.8	135.5	110.5	91.3	89.6
1932...	56.0	38.9	89.1	57.2	79.4	44.8	116.9	76.4	89.3	74.8
1933...	71.4	49.7	97.7	60.0	90.5	52.8	125.1	74.5	91.6	73.2
1934...	67.5	49.1	108.7	77.3	99.3	65.3	150.3	103.0	97.8	86.9
1935...	90.4	71.5	121.0	90.7	111.3	79.7	172.7	120.8	102.2	93.8
1936...	86.5	63.1	128.9	95.9	115.7	81.6	189.0	129.9	99.6	95.0
1937...	83.4	72.2	128.2	97.6	115.4	85.3	184.2	129.2	101.7	97.4
1931										
Jan...	60.6	51.9	96.6	78.0	80.7	59.8	136.3	110.0	87.3	86.6
Feb...	66.2	60.4	102.9	90.9	65.7	69.5	145.3	129.4	89.7	96.8
Mar...	68.1	61.7	107.1	98.9	87.7	73.3	153.2	142.1	92.3	109.4
Apr...	64.3	55.4	106.4	89.4	86.1	64.6	153.2	128.2	96.8	113.9
May...	69.2	61.3	102.4	79.2	82.4	56.4	146.2	112.7	96.0	95.8
Jun...	72.4	63.1	98.4	75.6	82.9	61.9	134.6	99.0	92.4	91.5
Jul...	75.5	66.3	94.6	75.9	86.4	69.0	119.5	92.2	83.0	79.4
Aug...	76.9	68.4	99.3	81.7	89.4	72.3	129.0	101.7	89.9	80.2
Sep...	72.4	57.4	103.4	84.4	90.8	66.3	137.4	116.7	93.4	78.5
Oct...	61.2	48.8	100.7	79.3	88.1	61.6	130.5	108.4	91.9	85.7
Nov...	60.0	46.8	93.5	67.7	80.4	49.1	121.6	93.6	89.8	81.5
Dec...	58.7	46.1	91.6	66.0	77.7	49.2	122.5	92.4	87.5	76.3
1932										
Jan...	59.6	47.3	90.0	63.9	78.1	50.1	120.2	84.0	81.5	80.6
Feb...	65.1	52.6	95.2	70.1	84.4	55.4	125.7	93.2	94.5	89.5
Mar...	58.1	43.9	97.2	74.0	84.2	55.2	131.7	104.5	96.9	89.3
Apr...	46.5	30.2	92.8	62.6	78.4	42.7	130.4	92.0	94.4	81.5
May...	43.2	27.3	86.9	52.1	72.4	36.3	123.7	76.2	91.1	75.5
Jun...	41.5	25.5	81.7	45.2	68.5	31.7	113.3	63.5	89.2	67.7
Jul...	48.2	30.2	71.0	37.8	69.5	32.1	81.9	45.5	82.1	60.0
Aug...	60.1	40.1	79.1	49.2	76.8	43.4	96.2	61.4	83.8	58.7
Sep...	64.9	45.0	92.1	61.6	84.1	51.9	119.3	79.5	87.1	67.3
Oct...	65.3	45.2	97.5	64.3	87.6	53.2	126.2	84.1	91.5	81.3
Nov...	60.0	38.9	94.5	55.5	86.8	46.9	117.6	68.5	90.5	73.4
Dec...	59.9	40.3	91.4	50.1	82.0	39.0	116.9	64.9	89.3	73.2
1933										
Jan...	59.4	38.6	88.4	48.2	79.1	39.9	116.9	63.0	87.8	65.8
Feb...	65.3	44.4	96.1	57.7	86.4	49.1	127.0	75.5	93.2	77.1
Mar...	48.2	25.8	93.8	51.3	85.0	45.5	123.3	65.0	93.0	65.4
Apr...	50.2	28.8	98.0	58.1	84.8	42.2	136.4	83.5	92.1	69.5
May...	61.8	39.7	97.1	52.4	83.8	40.9	136.8	71.5	91.5	73.2
Jun...	77.5	56.3	98.1	53.2	90.1	47.6	127.4	62.8	91.9	74.5
Jul...	88.7	64.9	97.7	54.9	97.5	57.1	113.1	58.4	90.7	70.9
Aug...	91.7	68.7	99.9	63.9	99.3	64.5	114.5	63.7	92.6	80.8
Sep...	86.5	64.9	105.8	61.4	100.7	69.7	133.2	105.9	96.7	84.8
Oct...	83.7	61.5	106.5	78.3	98.9	68.4	136.0	99.0	87.9	77.9
Nov...	73.6	51.4	98.6	63.8	92.6	58.2	122.8	76.2	90.8	68.6
Dec...	70.6	51.0	91.8	56.4	88.3	50.2	113.7	69.2	90.4	70.4

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Textiles and their products—Continued									
	Woolen and worsted goods		"WEARING APPAREL" (subgroup)		Clothing, men's		Clothing, women's		Corsets and allied garments	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	72.4	52.2	93.7	62.7	88.9	55.1	125.4	82.7	89.5	76.4
Feb...	73.8	59.2	107.8	80.3	99.3	68.5	146.5	109.2	96.5	89.8
Mar...	75.7	56.1	115.3	90.6	103.3	74.5	161.6	125.9	100.7	95.6
Apr...	69.2	51.3	116.8	85.2	102.9	69.3	165.1	116.0	102.9	98.5
May...	69.8	50.3	111.5	76.8	96.0	60.3	160.1	105.7	101.3	89.9
Jun...	64.1	45.9	106.2	70.4	96.4	61.6	146.3	88.8	94.3	80.1
Jul...	65.5	47.0	96.4	64.2	96.5	61.5	120.0	76.7	95.0	75.3
Aug...	64.1	45.2	108.8	81.1	104.9	74.1	145.5	104.7	96.5	82.0
Sep...	34.8	23.9	115.4	81.5	106.5	70.2	160.0	105.6	97.9	83.0
Oct...	64.3	44.6	115.2	85.5	103.8	70.6	162.4	117.2	99.0	86.5
Nov...	70.7	50.8	110.5	75.7	96.8	58.8	156.7	103.1	99.5	83.0
Dec...	80.6	62.8	107.3	73.4	95.8	59.3	153.7	99.8	100.0	92.9
1935										
Jan...	86.4	68.8	111.7	78.9	101.7	64.3	161.9	111.6	102.5	96.7
Feb...	88.6	70.6	120.4	93.6	111.0	80.7	172.4	128.4	102.7	101.3
Mar...	87.3	68.6	126.0	103.4	114.5	92.2	183.0	139.3	106.8	103.7
Apr...	82.6	63.2	127.2	101.7	115.0	92.8	185.7	132.6	107.4	103.7
May...	86.4	67.7	120.6	86.7	107.5	72.8	174.4	117.5	104.9	94.7
Jun...	91.7	73.0	113.8	78.9	106.7	71.9	157.8	98.3	101.4	86.5
Jul...	89.7	70.9	109.4	75.2	109.5	74.1	142.7	89.5	99.5	84.5
Aug...	92.4	73.1	122.7	94.8	115.1	84.0	173.6	128.5	99.5	84.0
Sep...	91.2	72.1	127.9	104.5	117.3	90.9	184.2	141.6	102.1	97.0
Oct...	93.6	75.1	126.3	98.7	116.7	84.5	186.7	135.8	101.7	93.5
Nov...	97.8	75.4	122.2	85.3	110.0	72.8	175.9	111.7	100.1	90.8
Dec...	97.2	79.9	121.4	86.8	110.9	75.8	174.4	114.9	98.1	89.4
1936										
Jan...	92.8	74.3	120.9	89.5	112.7	79.5	175.6	121.4	98.0	87.3
Feb...	92.4	73.1	126.5	96.7	117.4	86.8	182.7	128.9	99.5	97.4
Mar...	88.3	67.8	132.2	109.0	118.6	91.3	194.1	148.8	101.1	101.0
Apr...	83.3	63.7	131.9	97.7	115.0	76.7	198.4	138.8	102.4	99.1
May...	82.2	63.6	127.0	91.7	109.2	71.5	193.1	131.2	99.5	93.6
Jun...	82.6	64.1	122.4	85.3	113.2	79.4	173.9	106.1	97.7	91.7
Jul...	83.5	65.3	118.5	82.1	115.9	80.5	159.9	100.0	96.0	86.5
Aug...	85.4	67.4	132.4	104.6	118.7	87.1	195.4	146.6	96.9	89.9
Sep...	81.5	57.8	135.7	98.8	118.2	80.4	202.7	135.3	99.7	94.6
Oct...	82.1	63.0	125.6	103.6	117.0	82.0	203.2	147.1	101.4	101.3
Nov...	87.7	68.9	132.6	95.1	115.4	79.2	196.3	126.9	102.3	98.6
Dec...	95.3	67.9	130.9	96.6	116.7	84.8	191.6	128.0	101.0	98.6
1937										
Jan...	96.8	86.7	131.8	99.0	118.9	87.6	192.7	133.0	100.8	95.4
Feb...	96.6	85.7	139.9	113.8	123.8	98.8	205.3	154.6	103.7	103.6
Mar...	94.5	82.4	143.5	124.9	125.9	105.6	211.8	170.6	105.4	109.9
Apr...	93.1	86.9	138.8	107.6	124.3	95.7	201.4	139.3	104.7	107.4
May...	92.0	84.9	132.7	99.8	120.8	89.9	190.0	130.9	103.4	102.8
Jun...	90.0	81.9	124.3	92.2	115.5	86.7	171.3	113.3	101.4	95.4
Jul...	84.4	74.9	115.5	81.4	116.4	86.4	146.0	88.2	99.8	89.8
Aug...	81.9	71.5	128.8	104.2	120.3	91.8	182.3	141.9	99.8	91.5
Sep...	73.7	60.1	130.8	95.5	117.8	83.9	189.9	131.6	100.8	94.3
Oct...	71.6	55.1	128.0	98.1	112.1	80.2	187.5	136.2	101.7	98.6
Nov...	62.6	44.6	115.2	77.3	98.3	61.1	168.2	104.1	99.8	91.1
Dec...	63.9	51.7	109.3	74.2	91.1	55.5	163.4	106.9	99.4	89.5
1938										
Jan...	61.9	51.0	105.3	72.6	90.5	58.4	160.0	102.9	96.0	83.7
Feb...	62.6	52.5	119.8	92.8	103.9	74.1	179.6	134.5	98.3	94.3
Mar...	54.4	41.1	122.7	95.8	105.7	75.7	182.1	136.1	99.0	99.6
Apr...	48.8	35.4	118.5	85.6	98.2	64.5	178.7	123.1	99.0	97.0
May...	54.1	38.9	107.2	72.5	82.6	48.0	165.6	109.7	98.3	95.1
Jun...	61.0	47.4	99.7	62.6	78.2	43.2	148.0	89.5	97.1	85.9

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Textiles and their products—Continued						Leather and its manufactures			
	Men's furnishings		Millinery		Shirts and collars		"LEATHER" Group		Boots and shoes	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	94.6	93.6	103.2	100.8	107.9	109.7	106.6	106.9	106.0	107.6
1924...	100.1	96.1	94.8	94.5	93.0	91.9	96.3	95.3	96.7	95.3
1925...	105.3	110.3	102.0	104.7	99.1	98.4	97.1	97.8	97.3	97.1
1926...	--	--	98.0	103.6	101.7	101.9	96.6	98.9	95.6	96.1
1927...	125.7	139.5	104.8	113.9	105.1	109.9	97.7	100.3	95.6	96.8
1928...	--	--	105.7	112.3	106.3	107.1	95.6	95.8	92.7	91.3
1929...	132.7	145.5	101.3	104.0	109.1	109.2	98.5	99.0	96.7	95.6
1930...	--	--	91.3	88.6	102.7	90.3	91.2	82.3	90.2	78.3
1931...	120.1	109.5	83.7	79.2	104.0	82.7	84.3	72.1	85.3	70.2
1932...	103.8	75.2	73.9	60.9	91.0	58.0	81.2	57.6	84.5	58.3
1933...	110.7	79.1	71.0	49.4	103.1	68.3	87.2	61.2	89.8	61.1
1934...	117.8	102.8	72.9	56.5	107.1	85.7	94.0	73.2	95.0	72.9
1935...	125.1	113.3	71.6	58.3	113.9	96.6	96.1	76.9	95.1	74.1
1936...	141.4	122.4	75.6	66.7	120.1	102.1	95.8	75.9	94.3	71.3
1937...	148.1	127.7	73.6	64.6	124.2	106.5	97.7	81.7	97.2	77.0
1931										
Jan...	117.2	102.7	83.4	75.7	92.7	73.9	81.8	66.7	81.5	63.4
Feb...	126.6	124.1	89.8	87.2	99.0	82.3	84.4	75.8	84.9	74.0
Mar...	129.0	132.2	96.3	102.3	103.3	87.2	87.5	80.9	88.5	79.9
Apr...	125.7	109.1	92.3	93.7	105.4	88.5	86.6	78.0	87.7	76.5
May...	125.3	114.4	84.2	76.0	106.2	89.1	84.6	76.1	85.7	74.1
Jun...	120.1	103.0	79.9	71.8	104.5	83.9	83.5	74.0	84.3	71.7
Jul...	111.1	100.1	75.1	66.4	103.9	86.3	88.7	80.5	90.2	79.5
Aug...	107.4	98.1	85.0	83.1	105.9	86.4	91.2	83.8	92.9	83.1
Sep...	114.9	101.0	87.3	84.9	109.3	86.8	88.6	75.5	90.5	74.3
Oct...	125.7	114.6	82.5	76.1	111.2	84.4	83.6	63.4	85.0	60.8
Nov...	118.3	112.6	74.9	67.4	106.7	76.2	73.6	53.3	73.6	49.8
Dec...	119.3	102.1	74.2	65.3	99.3	67.0	77.7	57.1	79.0	55.1
1932										
Jan...	103.4	81.3	84.5	79.7	91.4	62.2	80.3	60.3	82.4	60.2
Feb...	107.0	84.9	89.8	85.9	93.1	65.3	85.2	69.7	88.1	71.1
Mar...	110.4	89.9	92.0	87.4	92.5	63.9	86.5	70.6	90.2	72.8
Apr...	103.7	73.3	82.4	75.1	88.0	56.9	84.1	62.8	87.4	63.9
May...	96.3	64.7	67.6	52.2	85.9	51.4	78.0	51.2	80.6	50.9
Jun...	96.7	67.0	59.6	43.2	85.6	52.3	76.0	50.2	79.1	50.7
Jul...	80.5	55.7	49.9	33.8	80.1	46.5	77.2	51.6	80.9	52.9
Aug...	80.5	52.6	66.6	52.9	79.5	48.4	82.1	57.7	86.8	60.0
Sep...	103.5	72.8	81.1	74.5	90.4	53.1	84.1	60.9	88.8	63.2
Oct...	118.0	86.4	82.1	61.2	100.6	64.8	85.4	61.3	89.7	62.7
Nov...	125.6	93.3	67.8	44.4	103.3	67.5	79.1	48.2	81.4	46.4
Dec...	120.0	80.1	62.9	40.8	101.5	63.7	76.4	46.2	78.4	44.3
1933										
Jan...	107.8	66.6	68.0	46.2	85.4	45.5	79.8	48.0	83.0	47.6
Feb...	110.8	69.9	75.4	50.2	93.1	52.4	84.4	55.0	88.4	55.9
Mar...	106.1	67.7	72.5	41.8	92.8	52.6	83.9	51.7	88.2	52.8
Apr...	104.7	66.5	80.7	64.2	94.5	53.2	82.3	50.3	87.4	52.5
May...	103.8	70.7	73.6	50.2	95.7	54.8	84.0	55.7	87.7	56.1
Jun...	111.6	78.4	70.6	47.3	104.9	65.9	87.5	63.1	90.2	62.7
Jul...	117.9	78.6	59.6	35.6	113.7	68.2	93.6	70.7	96.5	71.0
Aug...	120.6	96.2	75.3	57.3	111.5	84.2	97.1	76.4	99.4	77.3
Sep...	111.7	87.4	75.5	68.4	112.2	84.7	94.9	75.8	96.5	76.7
Oct...	119.3	99.1	73.1	50.7	118.3	98.0	93.0	70.5	94.5	69.7
Nov...	117.7	92.8	63.7	40.0	112.7	86.8	83.3	58.2	83.2	55.2
Dec...	96.9	75.2	63.5	40.4	102.2	73.1	83.0	59.3	82.0	55.3

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Textiles and their products—Continued						Leather and its manufactures			
	Men's furnishings		Millinery		Shirts and collars		"LEATHER" Group		Boots and shoes	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	87.8	64.7	70.9	49.9	89.3	64.1	87.6	65.7	87.5	63.8
Feb...	114.1	96.6	81.3	61.4	104.5	79.9	95.7	79.6	97.1	80.6
Mar...	124.8	109.3	84.4	72.9	111.5	90.7	98.5	82.5	100.1	83.9
Apr...	128.2	110.4	82.5	67.7	115.2	93.2	98.2	80.4	100.2	81.7
May...	118.7	100.5	78.5	61.2	113.8	89.7	97.5	77.4	99.3	77.7
Jun...	110.4	94.4	67.0	48.8	112.0	89.8	93.7	71.9	94.6	71.3
Jul...	103.4	82.2	54.6	38.4	100.9	78.7	95.9	77.2	97.3	78.3
Aug...	109.1	91.1	69.6	56.8	105.0	86.8	98.1	78.9	100.6	81.3
Sep...	117.4	98.0	80.2	70.6	111.8	89.3	92.3	69.7	93.7	69.9
Oct...	129.1	123.5	74.4	54.8	112.0	95.6	90.2	64.9	90.4	62.7
Nov...	139.1	134.9	66.6	47.7	110.1	94.3	88.4	60.9	87.7	56.9
Dec...	131.4	128.1	64.3	47.7	99.2	76.7	91.9	69.2	91.2	66.3
1935										
Jan...	112.8	96.5	71.2	56.6	99.3	74.9	95.7	76.6	95.6	75.4
Feb...	124.3	111.8	75.8	61.2	108.8	91.7	99.5	82.8	99.8	82.3
Mar...	128.3	119.4	80.0	71.5	114.1	97.3	100.9	84.4	101.4	84.0
Apr...	130.5	116.9	80.2	71.8	114.8	100.3	99.7	79.5	100.1	78.4
May...	125.9	110.2	73.5	55.1	116.8	100.1	94.7	72.7	94.0	69.9
Jun...	120.9	101.0	68.1	54.4	108.6	91.5	91.0	71.4	89.2	68.0
Jul...	109.1	89.6	56.6	41.1	109.4	88.5	95.6	78.2	94.9	76.6
Aug...	115.9	107.0	71.1	59.4	116.3	98.5	98.7	82.5	98.5	81.4
Sep...	125.1	116.2	79.9	78.8	120.1	104.3	97.2	77.4	96.4	74.6
Oct...	128.8	123.2	74.1	57.1	121.6	106.7	94.8	74.3	92.9	69.3
Nov...	138.6	136.6	64.7	45.7	120.6	106.5	90.3	67.2	86.3	59.5
Dec...	138.0	126.3	63.9	46.8	116.2	99.3	94.5	75.9	91.7	70.2
1936										
Jan...	122.8	99.8	73.8	62.9	103.5	82.1	96.9	80.1	95.4	76.6
Feb...	131.0	112.1	76.0	66.7	113.3	92.8	98.4	81.1	97.5	78.6
Mar...	136.2	118.6	94.0	104.7	116.1	100.3	97.7	76.4	96.8	73.4
Apr...	137.8	110.5	86.8	81.8	119.3	101.4	94.7	70.5	93.3	65.7
May...	139.6	117.1	77.8	68.0	115.6	97.6	92.1	66.2	90.2	59.9
Jun...	139.0	118.4	66.6	52.1	116.6	95.4	90.3	67.2	88.3	61.4
Jul...	137.0	112.4	55.7	41.4	115.4	90.2	95.4	77.5	94.3	74.6
Aug...	140.7	120.8	80.6	77.0	122.8	106.4	98.5	84.0	97.6	81.8
Sep...	145.4	119.6	87.8	84.7	127.2	106.3	98.1	79.1	96.7	75.0
Oct...	153.0	144.4	79.7	64.0	130.3	118.8	96.8	76.9	95.2	71.4
Nov...	158.2	154.1	66.4	50.6	131.7	119.3	92.8	69.7	89.9	61.7
Dec...	155.6	141.3	61.5	46.3	129.7	114.9	98.1	81.7	96.4	75.9
1937										
Jan...	143.9	114.6	75.7	66.1	123.5	100.5	101.8	90.4	101.4	87.6
Feb...	156.8	138.7	84.2	80.4	131.7	113.2	104.4	95.5	104.5	93.5
Mar...	162.0	149.4	91.3	103.2	135.4	123.9	105.2	97.0	105.2	94.7
Apr...	161.2	140.5	83.3	78.0	131.7	116.0	102.6	91.7	101.7	86.8
May...	155.9	128.7	77.1	62.6	125.0	102.9	99.2	85.1	97.6	78.8
Jun...	149.9	126.0	70.4	59.7	122.8	102.9	97.9	84.1	96.3	78.0
Jul...	142.5	117.2	53.9	38.5	118.4	98.6	100.5	88.5	100.4	84.8
Aug...	140.6	125.7	73.6	65.4	121.0	105.2	100.8	87.6	101.0	83.7
Sep...	140.6	117.0	79.0	79.4	124.3	105.3	96.7	74.7	96.3	68.6
Oct...	149.6	137.2	72.2	55.7	125.8	115.1	93.4	69.0	92.9	62.4
Nov...	143.6	127.3	61.2	42.5	119.5	104.9	83.9	55.9	82.6	48.9
Dec...	130.8	110.1	61.8	43.5	110.8	89.2	85.5	61.0	85.9	56.6
1938										
Jan...	107.5	81.6	70.2	54.6	92.8	72.2	89.6	69.0	91.5	67.2
Feb...	126.8	108.4	78.1	69.1	109.6	87.1	93.5	77.0	96.0	76.5
Mar...	133.3	115.1	82.8	80.6	117.1	94.1	94.2	76.6	97.2	76.5
Apr...	128.1	102.9	85.1	74.0	115.0	88.7	92.1	70.6	95.0	69.9
May...	126.0	97.7	73.0	55.5	112.0	86.6	86.0	60.9	87.6	57.6
Jun...	123.8	100.8	60.0	44.5	113.4	83.1	81.8	57.5	82.5	52.8

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Leather and its manufactures-Con.		Food and kindred products							
	Leather		"FOOD" Group 1/		Baking		Beverages		Butter	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	109.1	107.9	101.4	99.8	100.1	98.0	104.9	104.4	106.7	105.7
1924...	95.4	95.8	98.3	99.3	101.1	101.7	97.0	95.8	100.0	100.0
1925...	95.5	96.3	100.3	100.9	98.8	100.3	98.1	99.8	93.3	94.3
1926...	96.7	99.5	99.7	102.0	101.4	104.1	--	--	--	--
1927...	96.6	99.3	100.2	103.0	105.9	107.8	96.6	100.0	105.6	108.2
1928...	94.3	95.5	103.8	106.3	112.2	113.3	--	--	--	--
1929...	91.1	92.8	111.1	112.9	123.6	125.3	101.3	106.1	100.3	102.5
1930...	84.6	83.0	107.8	108.0	121.5	123.7	--	--	--	--
1931...	76.9	72.5	95.6	92.0	112.6	109.0	85.5	83.1	82.0	79.1
1932...	68.8	54.0	88.6	75.0	106.8	92.3	79.1	71.2	80.6	68.3
1933...	80.7	63.0	100.3	78.7	112.2	89.9	138.2	131.9	86.7	63.8
1934...	89.8	73.3	119.2	98.1	130.3	107.6	138.9	191.5	98.2	71.8
1935...	92.9	81.4	120.1	101.4	134.4	113.6	200.6	215.7	96.9	74.2
1936...	93.7	85.6	123.8	109.8	139.9	124.2	223.9	254.4	100.9	79.9
1937...	91.5	91.4	128.7	125.4	146.7	140.5	243.7	287.9	105.7	87.5
1931										
Jan...	77.6	71.3	92.4	94.7	113.1	112.3	78.9	75.9	75.0	75.8
Feb...	77.7	73.9	89.9	92.8	112.6	111.9	79.8	77.6	74.7	77.8
Mar...	78.6	76.0	89.2	90.8	111.9	110.6	81.2	79.9	76.5	77.3
Apr...	77.9	75.7	89.9	90.8	111.3	108.8	85.5	84.9	82.1	80.4
May...	77.6	76.4	90.4	92.3	113.1	111.6	88.5	88.2	82.9	81.9
Jun...	77.7	75.8	93.1	92.7	113.2	111.6	92.3	91.2	85.4	83.6
Jul...	79.5	76.9	98.6	93.4	114.7	110.7	96.8	98.2	89.6	83.7
Aug...	80.5	78.4	105.5	95.2	113.8	108.4	93.9	94.0	87.7	81.7
Sep...	77.9	73.4	113.3	98.3	113.7	108.6	89.5	87.7	88.3	82.3
Oct...	75.0	68.4	102.3	91.9	113.0	107.0	84.5	78.7	82.4	76.0
Nov...	72.1	63.0	93.3	86.8	110.7	104.3	78.1	71.6	81.6	76.2
Dec...	70.5	60.9	89.4	84.2	109.5	101.8	76.9	69.1	77.8	72.6
1932										
Jan...	70.9	58.0	83.9	78.5	107.0	98.8	75.3	66.7	73.2	66.5
Feb...	72.3	61.5	83.0	76.6	106.3	97.5	74.7	66.5	68.1	64.3
Mar...	71.3	60.1	82.3	75.3	107.2	97.0	75.4	68.0	75.9	68.8
Apr...	70.8	56.8	84.0	74.9	106.9	94.0	79.9	72.5	79.3	69.6
May...	67.7	51.1	83.9	75.5	107.4	93.6	82.1	77.8	82.4	73.4
Jun...	63.8	47.7	86.9	75.1	107.3	92.7	86.8	83.9	85.0	72.8
Jul...	63.4	46.9	88.7	73.2	106.8	89.8	84.9	79.6	86.6	71.7
Aug...	64.8	49.1	94.0	75.1	106.3	83.7	80.5	74.0	86.2	70.5
Sep...	67.3	52.4	101.0	78.6	106.4	90.3	83.2	72.8	85.4	69.1
Oct...	70.2	56.3	97.2	76.7	107.5	90.5	79.4	66.5	82.1	65.5
Nov...	72.1	54.9	91.0	71.3	106.3	87.9	75.3	63.2	81.8	64.4
Dec...	71.0	53.6	86.9	69.2	106.2	86.3	71.7	63.1	80.8	62.2
1933										
Jan...	70.3	50.2	83.7	66.4	104.7	85.0	71.6	62.1	77.2	60.2
Feb...	71.8	53.3	83.0	65.0	104.6	83.5	72.7	62.3	77.7	58.5
Mar...	69.9	49.3	82.3	63.2	104.2	81.5	84.2	71.3	77.9	58.1
Apr...	65.8	44.1	83.4	69.9	105.8	83.3	125.7	127.4	80.6	58.7
May...	73.2	55.6	91.1	72.6	107.4	85.0	145.0	148.7	83.3	61.1
Jun...	80.5	65.7	95.8	76.0	109.3	86.8	169.9	169.5	89.3	64.6
Jul...	85.7	70.9	100.6	79.2	110.9	89.1	176.5	174.3	90.2	66.1
Aug...	91.6	74.6	111.6	84.7	114.3	90.6	173.2	168.0	92.8	66.6
Sep...	91.9	74.1	127.1	97.4	120.8	97.9	172.3	161.4	94.3	68.4
Oct...	90.8	74.6	122.2	94.0	122.3	98.6	162.7	148.3	93.9	69.7
Nov...	87.2	69.9	111.6	88.5	121.7	98.8	149.6	138.5	92.0	67.3
Dec...	90.2	74.2	106.3	87.8	120.7	93.3	154.9	150.4	91.4	66.0

1/ Revised from 1919 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 49 and 50, and monthly and yearly indexes 1919 to 1922 on page 55.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Leather and its manufactures-Con.		Food and kindred products							
	Leather		"FOOD" Group 1/		Baking		Beverages		Butter	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	90.7	73.0	101.2	84.3	119.8	97.6	156.4	149.0	90.1	64.2
Feb...	92.5	77.2	101.5	84.9	122.6	101.2	159.0	151.7	88.2	64.7
Mar...	94.1	78.2	105.1	86.5	125.2	102.0	167.1	164.6	92.0	67.4
Apr...	92.1	76.1	106.8	87.7	126.7	101.9	178.1	180.6	95.5	71.9
May...	90.9	75.9	109.7	92.5	129.5	106.7	193.0	200.5	102.2	75.6
Jun...	90.2	73.6	117.0	97.7	131.5	108.5	209.5	219.8	108.0	79.8
Jul...	90.1	72.7	124.2	102.1	133.9	110.7	217.2	234.0	106.5	79.0
Aug...	86.8	69.6	140.3	111.9	133.9	110.8	215.4	226.5	105.7	75.4
Sep...	85.1	66.9	146.3	116.3	134.4	113.1	207.0	208.5	101.5	73.5
Oct...	86.4	69.9	135.9	110.3	135.3	112.1	199.3	199.5	98.3	71.9
Nov...	87.3	71.4	123.5	103.0	135.0	113.0	183.3	184.9	97.2	70.5
Dec...	90.7	75.4	118.3	100.4	135.5	113.5	181.2	178.9	93.6	67.5
1935										
Jan...	91.8	77.0	109.4	91.6	126.5	104.1	178.3	179.1	89.9	66.7
Feb...	93.3	80.5	109.3	92.2	132.1	108.9	180.9	185.3	89.9	67.9
Mar...	93.1	81.6	108.6	92.2	132.1	109.3	188.2	197.9	90.8	68.7
Apr...	92.0	78.8	112.0	95.1	133.5	111.7	194.5	206.9	94.4	71.8
May...	90.6	77.5	112.7	96.9	134.9	114.0	201.5	218.2	98.1	75.2
Jun...	90.2	78.3	117.2	100.9	136.9	116.6	211.5	231.6	103.0	79.3
Jul...	90.8	78.3	127.3	107.4	134.1	113.6	221.3	254.0	104.4	80.3
Aug...	91.7	80.9	135.8	111.7	134.6	112.8	222.5	251.6	103.4	79.4
Sep...	92.4	81.8	144.1	116.5	137.9	119.4	215.2	231.2	101.4	79.0
Oct...	94.2	85.6	130.0	108.7	138.0	118.6	205.8	216.8	97.6	74.4
Nov...	97.4	87.3	119.5	102.7	137.0	117.5	195.4	209.8	96.1	73.3
Dec...	97.5	89.5	114.8	101.0	135.7	117.1	192.2	205.6	94.3	73.9
1936										
Jan...	94.9	86.0	109.7	97.5	134.2	116.8	191.8	205.0	92.9	70.8
Feb...	93.5	83.3	107.9	95.1	134.8	117.8	189.7	199.8	92.4	71.4
Mar...	92.9	80.9	109.1	98.4	136.2	118.9	203.1	226.4	93.7	74.9
Apr...	92.2	81.5	112.1	98.5	137.0	118.3	209.9	234.2	97.8	76.0
May...	91.5	82.7	114.7	104.5	138.6	122.6	229.2	268.8	103.2	82.0
Jun...	90.9	81.6	120.7	107.9	139.8	125.0	236.8	276.9	109.7	87.4
Jul...	91.7	81.7	130.4	116.5	140.7	126.1	261.7	334.2	111.3	88.3
Aug...	93.5	85.4	142.2	122.6	141.7	126.2	255.1	297.4	109.0	86.8
Sep...	95.3	86.8	150.5	124.3	143.0	128.1	249.3	284.9	104.1	83.1
Oct...	95.1	90.0	138.0	119.6	144.4	129.3	226.8	249.5	99.6	80.2
Nov...	96.2	91.6	127.1	117.1	144.8	130.8	217.7	240.0	98.8	80.2
Dec...	96.2	95.4	123.4	114.6	144.0	130.1	215.3	235.3	98.3	77.5
1937										
Jan...	94.9	93.2	117.3	109.3	142.1	128.6	216.8	235.6	97.2	77.2
Feb...	95.3	95.1	117.4	110.1	144.0	132.4	216.6	237.5	97.7	79.3
Mar...	96.6	97.5	118.1	113.5	145.6	134.8	229.0	264.7	99.7	80.8
Apr...	97.8	101.2	120.4	117.9	144.6	134.0	233.9	276.2	101.6	83.1
May...	96.9	100.0	120.3	121.9	146.8	141.8	246.7	297.2	108.0	89.5
Jun...	95.8	98.6	125.9	126.5	149.0	145.6	266.9	326.8	115.9	96.3
Jul...	92.6	94.5	139.5	139.1	149.1	146.9	278.8	357.3	117.9	98.0
Aug...	91.8	94.3	147.7	141.5	147.6	144.0	274.4	343.0	114.3	97.7
Sep...	90.5	89.6	152.1	143.0	149.2	148.2	265.6	317.4	111.2	92.6
Oct...	87.6	86.3	138.2	135.2	151.1	149.5	241.1	279.0	104.8	88.2
Nov...	81.1	75.2	127.5	126.3	147.5	141.9	231.1	266.8	101.5	84.4
Dec...	76.9	71.4	119.6	120.5	143.5	138.6	222.9	253.4	99.0	82.4
1938										
Jan...	74.9	69.9	114.7	116.6	141.8	136.3	221.5	250.6	97.7	82.4
Feb...	75.9	72.9	113.3	114.2	141.9	137.3	225.2	261.1	97.9	83.2
Mar...	74.7	71.1	112.0	113.3	141.7	137.7	230.5	271.2	99.5	83.2
Apr...	72.9	67.6	112.6	114.1	141.8	137.5	234.9	278.3	103.8	86.0
May...	72.3	67.9	113.6	117.3	141.8	139.5	242.0	290.9	106.7	92.5
Jun...	72.2	69.2	119.4	121.7	144.2	141.9	251.9	305.7	110.1	94.5

1/ Revised from 1919 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 49 and 50, and monthly and yearly indexes 1919 to 1922 on page 55.

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INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Food and kindred products—Continued									
	Canning and preserving		Confectionery		Flour		Ice Cream		Slaughtering & meat packing	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	97.7	97.8	101.7	100.9	104.9	101.9	99.2	98.7	104.7	102.6
1924...	86.9	86.9	96.5	97.7	99.7	101.0	102.0	99.7	100.3	99.9
1925...	115.4	115.3	101.8	101.4	95.4	97.1	98.8	101.6	95.0	97.5
1926...	—	—	105.8	106.8	91.8	94.4	96.3	103.2	93.2	97.8
1927...	112.0	108.7	101.1	104.7	89.4	91.8	94.0	100.6	94.0	98.9
1928...	—	—	98.9	101.0	85.5	89.7	95.5	103.2	94.8	100.1
1929...	134.6	129.4	101.7	103.7	80.6	85.7	96.0	102.7	96.7	101.5
1930...	138.8	126.7	92.1	93.3	73.9	78.7	89.0	93.0	92.1	96.3
1931...	106.1	91.5	82.0	77.5	68.1	66.7	76.0	76.9	84.1	82.2
1932...	86.1	65.0	74.8	60.6	65.7	56.4	64.6	56.7	80.6	65.7
1933...	112.7	76.8	81.0	60.7	69.2	55.2	61.6	49.1	89.3	68.7
1934...	143.7	99.9	82.6	70.1	79.0	64.5	71.9	56.8	108.8	93.9
1935...	155.0	118.8	83.4	72.2	79.0	66.2	74.3	58.1	92.0	83.5
1936...	151.8	116.0	80.6	71.0	77.1	69.5	77.1	61.1	97.8	92.6
1937...	159.4	144.8	82.2	79.1	78.0	76.2	81.5	68.0	99.2	107.2
1931										
Jan...	63.8	64.4	85.7	85.4	69.5	69.3	71.8	74.8	90.6	95.6
Feb...	61.8	68.1	86.0	82.8	68.4	69.5	71.7	76.9	87.9	90.1
Mar...	66.8	70.7	83.6	80.4	67.4	67.4	72.6	77.2	83.9	83.7
Apr...	75.6	79.8	78.5	75.5	67.7	66.8	74.6	79.4	83.0	83.1
May...	70.6	78.7	78.6	75.3	66.6	66.6	79.5	82.4	84.0	84.5
Jun...	90.1	82.5	76.5	74.1	65.9	64.7	86.1	87.1	83.5	83.6
Jul...	133.5	102.9	67.0	59.7	69.9	68.7	90.2	90.3	82.3	81.7
Aug...	189.2	142.7	71.8	67.5	69.5	68.5	88.4	86.4	81.3	78.5
Sep...	240.3	174.9	88.7	84.4	68.8	66.1	81.3	80.3	81.4	77.1
Oct...	144.3	108.0	92.1	85.0	68.6	66.6	70.5	68.1	82.0	76.4
Nov...	81.5	69.9	88.7	80.0	68.2	66.2	63.5	61.4	83.2	74.1
Dec...	55.4	55.6	87.1	79.6	66.5	59.9	61.8	58.4	86.0	78.1
1932										
Jan...	49.4	47.9	74.0	66.8	66.2	58.7	61.3	57.6	84.4	74.4
Feb...	53.1	49.5	72.9	63.5	65.6	57.7	61.3	57.6	83.0	71.2
Mar...	53.2	48.3	69.7	59.9	66.1	56.9	61.1	57.7	79.4	67.2
Apr...	67.7	57.6	67.2	57.2	66.2	58.2	63.3	59.0	78.6	66.8
May...	60.6	54.8	64.2	53.2	66.0	58.3	68.2	61.7	80.4	68.4
Jun...	80.5	61.7	64.0	52.1	64.7	54.9	75.2	65.0	79.9	66.4
Jul...	103.7	72.6	57.8	44.0	65.1	55.2	73.9	63.4	79.1	63.0
Aug...	137.4	100.3	70.3	54.2	64.7	54.6	72.2	61.0	79.1	61.2
Sep...	171.5	114.8	66.3	70.2	66.5	55.5	67.6	56.6	81.1	63.8
Oct...	117.0	79.4	95.5	74.7	66.7	58.3	60.3	50.6	81.6	63.9
Nov...	79.6	53.1	90.9	66.0	65.4	54.8	56.2	46.5	80.3	60.5
Dec...	59.7	39.9	85.0	64.8	65.3	53.9	54.1	43.3	80.4	61.6
1933										
Jan...	61.1	38.7	75.3	55.1	65.0	53.8	53.4	43.4	78.9	60.6
Feb...	63.2	40.6	74.4	53.8	64.2	50.3	53.5	43.0	78.9	59.6
Mar...	61.9	38.2	69.9	46.0	63.7	49.6	53.5	42.6	76.9	55.4
Apr...	83.1	52.4	72.9	49.9	66.0	54.4	54.5	43.5	77.6	59.6
May...	79.6	50.1	73.3	52.3	66.7	54.0	58.0	47.0	81.7	62.8
Jun...	93.3	57.5	72.8	50.1	65.8	51.1	67.4	54.2	84.3	65.7
Jul...	119.7	71.7	70.2	48.9	69.9	57.6	69.2	55.2	86.7	67.4
Aug...	165.2	105.4	84.6	64.7	67.8	50.7	71.5	56.7	95.9	73.1
Sep...	244.4	194.6	93.6	77.2	74.5	57.7	73.0	56.4	104.1	79.4
Oct...	182.5	133.8	101.1	81.7	76.3	61.3	66.8	53.1	103.7	79.1
Nov...	111.4	78.2	97.0	75.4	76.1	60.7	60.8	48.0	101.4	78.2
Dec...	86.5	60.2	87.1	72.9	74.6	60.7	57.8	46.0	100.9	83.9

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Food and kindred products—Continued									
	Canning and preserving		Confectionery		Flour		Ice Cream		Slaughtering & meat packing	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	75.3	54.4	76.4	65.3	74.9	61.4	57.4	45.8	99.8	83.9
Feb...	76.6	57.2	81.2	68.6	77.3	63.1	56.9	44.7	98.9	80.5
Mar...	95.4	67.6	82.5	69.6	76.6	61.5	59.1	46.9	96.6	78.5
Apr...	101.5	69.6	76.9	63.3	76.5	62.4	65.0	51.9	96.4	78.8
May...	96.4	68.5	73.9	62.3	76.3	62.4	79.5	64.2	101.1	83.9
Jun...	128.2	84.3	71.3	59.6	77.2	63.9	86.8	69.5	106.3	90.5
Jul...	169.8	103.9	68.8	57.0	80.1	66.1	91.0	73.2	109.2	95.9
Aug...	272.1	197.6	74.2	62.6	81.0	65.9	89.3	69.5	118.2	103.0
Sep...	286.3	201.6	96.3	84.9	82.8	69.7	78.3	60.9	127.8	114.0
Oct...	193.9	134.8	99.9	85.7	83.9	69.7	71.3	55.5	123.3	110.7
Nov...	126.6	86.6	94.8	78.2	80.8	63.9	65.5	50.5	114.7	103.8
Dec...	102.2	72.3	94.7	84.6	80.4	64.4	63.2	49.3	112.7	103.2
1935										
Jan...	96.2	66.7	82.0	69.1	79.5	63.6	63.3	48.8	102.2	90.1
Feb...	92.6	66.9	83.8	72.2	79.3	65.8	64.0	49.7	95.3	83.1
Mar...	87.5	61.9	85.9	74.9	78.5	63.7	67.0	52.7	91.1	80.1
Apr...	111.7	81.6	81.4	66.6	77.8	62.8	72.1	55.8	89.9	81.1
May...	109.5	81.5	78.1	65.4	77.4	62.5	80.5	62.5	89.5	81.1
Jun...	130.1	100.7	76.2	65.4	77.6	63.3	87.9	68.9	90.6	82.3
Jul...	213.9	177.5	72.3	59.1	78.5	64.5	91.0	72.3	90.2	82.9
Aug...	277.2	230.9	73.7	62.5	80.1	66.3	89.3	69.8	89.1	81.0
Sep...	325.7	245.3	92.2	88.4	81.0	72.8	77.6	60.5	89.0	82.3
Oct...	195.0	150.3	94.8	83.5	81.2	74.2	69.7	54.1	89.7	83.7
Nov...	120.8	87.2	89.5	76.1	79.6	68.9	65.7	51.2	93.0	85.9
Dec...	99.2	74.7	90.9	83.6	76.9	65.6	64.0	51.0	94.6	88.0
1936										
Jan...	91.4	67.8	77.1	67.7	77.3	68.3	62.6	48.9	95.0	89.8
Feb...	84.2	63.7	76.8	66.2	77.6	69.4	62.1	48.5	91.5	81.7
Mar...	84.2	68.3	77.6	68.6	77.4	68.9	66.3	53.2	90.3	82.2
Apr...	101.2	75.9	74.0	62.3	76.0	64.8	73.7	57.5	90.6	81.5
May...	101.2	82.0	72.5	61.7	73.9	66.1	87.9	69.3	93.1	86.1
Jun...	135.7	96.6	70.8	60.3	74.3	66.3	92.5	71.5	94.8	89.1
Jul...	187.0	130.1	69.1	56.7	79.7	75.1	96.7	78.9	100.2	94.9
Aug...	271.4	217.4	76.0	66.8	79.1	74.0	91.7	72.3	100.8	95.8
Sep...	328.2	243.6	91.0	82.3	78.9	70.3	84.6	66.7	100.1	93.2
Oct...	212.0	168.6	93.9	87.2	78.7	72.2	72.0	56.9	101.1	97.0
Nov...	121.6	92.4	94.8	85.4	76.6	69.8	68.0	55.3	106.8	103.9
Dec...	104.0	85.4	93.6	87.2	76.2	69.0	66.9	54.2	109.6	111.2
1937										
Jan...	97.2	81.2	82.5	77.1	76.5	70.7	66.8	54.9	106.3	104.9
Feb...	99.7	91.1	82.0	76.3	77.2	71.4	67.6	55.5	100.7	96.9
Mar...	96.6	84.0	81.4	77.0	76.7	71.0	70.7	58.4	100.0	100.2
Apr...	119.5	106.4	76.7	71.2	77.0	72.9	75.7	63.3	97.5	108.1
May...	107.5	101.9	73.5	69.9	76.4	73.9	89.8	74.4	98.6	108.5
Jun...	132.4	116.0	71.1	68.7	76.2	74.8	99.1	80.2	98.0	108.7
Jul...	226.3	230.0	71.5	65.0	80.5	80.7	102.0	85.5	99.1	109.4
Aug...	299.9	275.9	75.7	75.9	80.1	81.4	98.8	84.3	95.8	105.9
Sep...	327.9	288.6	88.2	89.9	79.4	82.0	90.4	74.1	95.7	107.4
Oct...	191.4	176.5	98.7	99.4	79.6	82.2	75.7	63.7	98.6	109.6
Nov...	122.3	104.7	94.8	90.6	78.6	78.0	71.6	61.5	99.8	112.0
Dec...	91.8	81.5	90.1	87.7	77.6	75.3	70.1	60.3	100.2	114.6
1938										
Jan...	84.6	74.9	79.0	74.7	76.2	74.5	68.0	58.4	102.3	118.7
Feb...	81.8	73.3	78.4	75.0	76.1	74.3	68.3	58.4	97.0	105.0
Mar...	78.0	70.0	77.1	73.5	75.7	73.5	69.9	60.7	93.0	100.7
Apr...	82.9	75.6	74.0	66.8	74.2	72.1	77.0	66.5	91.5	100.8
May...	85.4	80.3	69.1	64.2	73.9	72.5	87.4	73.8	91.9	103.6
Jun...	113.9	100.7	69.7	67.9	75.3	75.6	91.6	77.5	93.5	104.7

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

Year and Month		Food and kindred products—Con.				Tobacco manufactures					
		Sugar, beet		Sugar refining, cane		"TOBACCO" Group		Chewing and smoking tobacco and snuff		Cigars and cigarettes	
		Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	92.1	91.1	103.4	102.6	105.7	104.1	102.7	101.4	106.2	104.5	
1924...	100.0	100.0	98.2	100.4	98.8	99.4	102.7	101.6	98.2	99.2	
1925...	107.9	108.9	98.4	97.0	95.5	96.5	94.6	97.0	95.6	96.3	
1926...	—	—	94.8	91.5	90.9	92.1	93.1	94.0	90.4	91.8	
1927...	90.0	87.5	94.9	90.6	93.4	91.0	82.6	84.8	94.9	91.8	
1928...	—	—	89.4	87.5	90.7	86.1	75.6	77.4	92.8	87.2	
1929...	91.2	90.3	94.3	91.4	83.9	81.8	68.0	71.3	86.0	83.1	
1930...	—	—	92.3	89.7	78.3	72.7	69.8	71.3	79.4	72.9	
1931...	75.8	68.1	80.3	79.6	72.1	60.1	71.9	69.0	72.1	58.9	
1932...	90.4	68.5	73.9	66.5	65.6	48.2	71.0	62.4	64.9	46.4	
1933...	130.0	98.2	77.9	62.7	63.1	44.1	64.2	56.0	62.9	42.6	
1934...	101.3	69.7	90.7	66.8	68.1	50.6	67.1	61.0	68.2	49.3	
1935...	112.1	84.3	93.7	71.3	65.4	51.5	63.3	60.7	65.6	50.3	
1936...	105.7	87.5	91.9	71.1	65.5	54.0	61.9	61.8	65.9	53.0	
1937...	103.6	96.0	88.4	79.2	65.3	59.0	62.1	68.8	65.7	57.7	
1931											
Jan...	123.8	88.4	80.9	77.4	68.2	59.0	75.4	73.2	67.3	57.2	
Feb...	28.5	36.3	79.2	80.7	75.3	59.9	76.4	74.6	75.2	58.0	
Mar...	25.2	32.9	81.4	83.2	75.0	62.5	76.2	72.4	74.8	61.2	
Apr...	25.3	30.5	82.5	82.6	72.7	60.1	67.3	64.5	73.4	59.5	
May...	26.0	31.7	77.9	79.1	73.1	62.5	71.2	68.6	73.4	61.6	
Jun...	30.0	35.1	79.4	81.3	72.4	62.7	69.5	67.7	72.8	62.0	
Jul...	34.7	37.7	82.8	86.3	72.1	62.0	68.6	67.5	72.5	61.2	
Aug...	47.0	46.2	82.8	82.1	71.9	60.9	70.4	68.9	72.1	59.8	
Sep...	50.4	53.0	81.1	79.9	72.3	57.7	69.6	66.3	72.7	56.5	
Oct...	163.3	123.7	77.8	75.9	72.9	59.6	71.4	68.5	73.1	58.4	
Nov...	187.7	169.6	80.2	75.0	72.7	59.6	73.2	66.0	72.6	58.7	
Dec...	168.2	131.5	77.8	71.6	66.3	54.5	74.1	69.5	65.3	52.6	
1932											
Jan...	52.3	45.3	77.0	69.0	64.1	49.5	76.3	73.2	62.5	46.5	
Feb...	30.7	35.3	73.5	68.0	66.7	50.0	76.3	70.5	65.5	47.4	
Mar...	32.0	34.5	74.4	70.0	65.7	48.7	72.7	62.6	64.8	46.9	
Apr...	36.6	37.2	72.2	67.5	64.1	46.1	70.6	61.9	63.2	44.1	
May...	42.0	43.0	73.7	68.6	65.1	45.5	70.1	61.0	62.2	43.5	
Jun...	49.0	45.1	72.3	66.4	64.9	48.9	71.7	62.2	64.0	47.2	
Jul...	51.4	44.0	73.4	68.9	64.3	48.3	69.7	53.8	63.6	46.9	
Aug...	63.2	52.6	74.0	68.2	64.5	46.7	70.1	60.2	65.8	44.9	
Sep...	73.9	61.6	74.9	67.6	66.3	48.0	68.5	62.0	65.9	46.3	
Oct...	212.5	134.6	75.3	63.5	68.3	49.4	70.1	60.8	68.0	48.0	
Nov...	236.1	164.5	73.8	61.1	69.2	49.4	69.1	59.2	69.1	48.2	
Dec...	203.6	124.1	72.1	59.5	65.3	47.6	66.5	56.6	65.6	46.5	
1933											
Jan...	126.2	82.8	69.2	54.2	58.5	36.9	68.6	60.6	57.1	34.0	
Feb...	65.1	53.0	71.1	55.4	61.5	38.4	64.6	52.2	61.0	36.7	
Mar...	57.0	51.0	71.4	62.6	56.2	34.7	62.1	46.6	55.3	33.2	
Apr...	61.7	54.1	71.7	62.4	55.1	34.7	58.9	43.7	54.5	33.0	
May...	67.0	56.9	74.6	65.3	62.4	43.5	61.7	55.3	62.4	42.1	
Jun...	72.5	59.8	74.3	65.8	64.5	45.2	63.8	55.8	64.5	43.9	
Jul...	76.1	63.5	77.0	68.7	63.7	45.2	60.9	53.4	64.0	44.2	
Aug...	102.6	81.4	81.0	65.1	65.7	46.2	64.8	60.5	65.7	44.5	
Sep...	112.2	88.6	83.6	62.3	65.4	50.0	65.9	61.4	65.2	48.6	
Oct...	255.1	178.8	90.2	65.3	68.4	53.1	67.9	61.5	68.4	52.1	
Nov...	292.2	217.4	89.3	66.5	70.1	52.1	66.6	57.4	70.4	51.5	
Dec...	269.2	190.6	80.4	58.8	66.2	48.8	65.0	59.0	66.2	47.5	

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
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(1923-25 = 100)

Year and Month	Food and kindred products--Con.				Tobacco manufactures					
	Sugar, beet		Sugar refining, cane		"TOBACCO" Group		Chewing and smoking tobacco and snuff		Cigars and cigarettes	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	133.9	78.4	80.7	56.6	58.0	41.7	66.5	61.0	56.8	39.3
Feb...	37.9	33.8	83.7	61.6	66.4	47.9	70.4	66.3	65.8	45.6
Mar...	39.2	33.2	88.3	62.7	69.1	48.4	70.8	64.8	68.8	46.4
Apr...	46.1	38.6	87.5	66.1	69.8	49.1	69.6	59.7	69.7	47.8
May...	54.6	41.7	87.4	65.4	66.4	49.5	67.8	59.0	66.1	48.3
Jun...	61.1	45.9	93.3	72.9	67.9	50.9	64.9	60.3	68.2	49.8
Jul...	69.4	47.8	87.3	62.2	66.7	50.8	64.9	60.7	66.8	49.6
Aug...	91.9	66.6	92.9	71.0	71.2	53.2	65.8	60.6	71.8	52.3
Sep...	96.6	68.6	94.1	69.7	70.9	54.4	66.2	62.5	71.5	53.3
Oct...	232.8	143.4	97.4	71.6	71.7	53.4	66.3	58.4	72.4	52.7
Nov...	217.7	163.1	100.6	70.7	70.5	53.4	66.8	57.0	71.0	52.9
Dec...	134.5	74.9	95.4	70.7	68.5	54.8	65.1	61.7	68.9	53.8
1935										
Jan...	57.5	42.3	93.0	68.9	62.7	45.9	65.9	61.8	62.3	43.8
Feb...	50.3	39.8	91.6	68.5	64.0	45.4	66.8	61.0	63.6	43.4
Mar...	50.3	38.8	91.7	68.6	64.7	49.2	65.3	62.3	64.6	47.5
Apr...	55.7	41.6	94.9	74.7	64.0	48.2	63.9	59.4	64.0	46.7
May...	61.8	45.1	95.1	76.4	63.9	49.0	62.1	59.1	64.1	47.7
Jun...	60.8	43.5	95.2	75.0	65.4	52.3	62.5	61.5	65.8	51.1
Jul...	65.4	46.6	97.6	74.2	65.3	53.3	61.9	61.3	65.7	52.2
Aug...	98.6	76.9	94.3	72.8	65.7	52.3	60.8	59.8	66.3	51.3
Sep...	107.1	90.3	92.8	71.6	66.8	55.3	61.7	61.2	67.5	54.5
Oct...	285.2	188.0	96.0	69.5	68.1	56.6	62.5	60.1	68.8	56.1
Nov...	277.7	224.3	91.4	63.8	67.7	55.0	62.6	58.7	68.4	54.4
Dec...	174.3	134.1	91.3	71.5	66.1	55.7	63.1	61.7	66.5	54.8
1936										
Jan...	45.1	40.6	90.0	69.4	59.0	46.4	63.5	62.1	58.4	44.4
Feb...	34.1	34.8	92.7	68.0	63.0	43.6	63.3	59.8	63.0	47.1
Mar...	37.7	39.5	93.9	77.1	63.5	50.2	62.3	60.9	63.6	48.8
Apr...	43.1	40.1	96.4	75.1	62.8	47.5	61.6	59.3	63.0	46.0
May...	47.1	43.4	96.4	75.1	64.4	52.4	61.0	61.9	64.8	51.1
Jun...	52.1	47.6	95.3	73.0	64.6	54.2	60.7	58.1	65.1	53.6
Jul...	56.8	50.6	95.1	76.0	64.9	55.2	60.5	60.1	65.5	54.5
Aug...	87.9	74.1	96.1	73.0	67.5	57.8	61.0	59.7	68.4	57.5
Sep...	95.4	85.7	93.3	70.3	68.2	57.5	60.9	64.4	69.2	56.6
Oct...	289.4	189.4	90.5	67.3	69.1	59.1	62.4	63.2	70.0	58.5
Nov...	292.0	258.1	81.1	64.3	70.6	59.2	63.0	64.4	71.6	58.5
Dec...	187.9	146.4	82.2	65.0	67.9	59.9	62.2	67.2	68.6	58.9
1937										
Jan...	40.7	39.9	73.5	55.7	61.3	50.9	63.1	66.1	61.1	48.9
Feb...	39.8	41.4	89.7	72.6	65.0	57.3	65.0	69.8	65.0	55.7
Mar...	41.5	42.7	90.8	88.4	65.4	56.7	62.5	67.4	65.8	55.3
Apr...	47.3	48.1	99.7	91.5	64.6	56.6	61.6	67.6	65.0	55.2
May...	50.1	48.9	93.3	81.3	64.3	58.0	61.3	68.3	64.7	56.6
Jun...	52.9	52.8	89.4	77.7	64.6	60.4	61.9	71.4	64.9	58.9
Jul...	57.6	54.3	96.7	91.9	65.2	60.4	60.9	68.1	65.8	59.4
Aug...	79.8	77.2	91.8	92.2	66.3	62.1	61.1	68.4	67.0	61.2
Sep...	97.4	98.2	80.1	68.3	66.7	61.2	61.2	72.2	67.4	59.7
Oct...	281.7	227.1	82.0	73.0	67.1	62.5	61.7	70.3	67.8	61.4
Nov...	287.3	279.7	83.9	75.8	67.5	61.8	62.2	65.9	68.2	61.2
Dec...	166.6	141.7	89.4	82.3	65.2	60.0	62.4	70.1	65.6	58.7
1938										
Jan...	37.9	41.9	78.1	67.0	55.7	48.0	62.8	68.7	54.8	45.4
Feb...	35.2	42.9	84.9	72.9	63.2	52.6	64.4	70.3	63.0	50.3
Mar...	38.8	44.2	81.5	68.4	63.8	54.7	62.0	67.4	64.0	53.0
Apr...	44.1	47.6	79.7	73.9	63.4	53.2	61.8	68.3	63.6	51.3
May...	43.5	48.3	91.0	82.5	63.8	56.6	61.0	65.8	64.2	55.4
Jun...	47.4	51.5	90.5	81.4	64.8	59.4	60.6	70.4	65.3	58.0

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
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(1923-25 = 100)

Year and Month	Paper and printing											
	"PAPER AND PRINTING" Group		Boxes, paper		Paper and pulp		Printing and publishing book and job		Printing and pub- lishing, newspapers and periodicals			
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls		
1923...	99.2	96.2	100.0	97.3	100.0	98.4	98.3	95.5	98.9	94.7		
1924...	99.7	99.5	99.5	99.7	97.3	97.5	100.7	100.0	101.0	100.6		
1925...	101.1	104.3	100.5	103.0	102.7	104.1	101.0	104.5	100.1	104.7		
1926...	104.1	110.3	102.1	106.9	105.8	109.1	104.9	112.5	101.7	110.3		
1927...	104.1	111.0	99.2	104.0	102.2	105.3	106.9	114.1	102.2	111.1		
1928...	105.0	112.3	96.3	102.0	100.8	105.3	107.4	113.6	104.5	113.6		
1929...	111.3	119.5	97.9	102.9	106.1	112.5	113.1	118.7	111.0	121.8		
1930...	108.0	114.6	90.7	91.6	102.5	104.6	110.9	115.6	109.9	119.4		
1931...	96.3	97.3	81.8	79.0	89.5	82.1	100.7	99.1	101.8	103.0		
1932...	85.5	74.8	73.5	62.4	81.9	61.4	85.3	72.4	92.9	83.6		
1933...	86.7	68.3	83.0	67.7	89.0	64.4	78.5	60.6	93.4	78.6		
1934...	97.4	80.4	93.2	83.0	102.9	78.1	88.6	71.6	99.5	87.8		
1935...	102.0	88.4	97.2	91.0	105.3	86.7	95.0	79.3	101.6	92.7		
1936...	105.8	96.3	100.2	97.5	106.8	95.6	100.0	85.5	105.5	101.4		
1937...	111.7	107.9	106.6	108.6	114.3	113.9	107.0	96.8	107.9	107.9		
1931												
Jan...	101.1	103.9	83.0	78.9	91.9	87.3	108.3	109.8	105.7	111.8		
Feb...	99.5	103.1	81.5	79.6	91.6	90.9	106.1	106.3	103.9	110.4		
Mar...	99.2	104.2	81.3	82.0	91.1	90.0	104.2	106.8	105.7	113.3		
Apr...	98.5	102.6	81.3	81.2	91.0	88.1	103.2	104.8	104.9	112.7		
May...	98.2	101.7	80.6	80.8	91.6	87.7	102.7	103.0	104.7	112.4		
Jun...	95.8	98.0	79.9	79.0	89.7	83.1	99.6	99.3	102.7	109.3		
Jul...	94.9	94.5	79.4	76.2	89.8	79.4	98.9	96.5	100.4	105.6		
Aug...	94.7	94.0	80.6	77.5	89.8	81.1	99.3	96.2	98.0	102.6		
Sep...	93.5	91.1	82.9	77.3	87.8	74.9	96.7	91.5	98.1	103.3		
Oct...	94.1	92.1	84.7	82.4	87.8	76.4	95.9	90.3	99.8	105.2		
Nov...	93.5	91.2	84.2	78.4	86.3	74.1	96.4	91.0	99.2	104.3		
Dec...	93.1	91.5	81.9	74.9	85.2	71.8	97.4	94.0	98.9	104.9		
1932												
Jan...	91.3	86.0	75.3	66.2	84.9	67.6	96.6	89.9	96.8	98.3		
Feb...	89.6	83.9	74.3	65.9	85.2	71.4	92.5	84.0	95.4	95.5		
Mar...	88.8	82.7	74.5	67.0	85.4	71.1	90.0	81.0	95.1	94.9		
Apr...	87.7	80.0	74.1	64.9	83.7	66.7	88.4	77.7	94.6	93.8		
May...	85.8	77.0	71.0	60.2	82.1	63.9	86.8	75.1	93.6	91.3		
Jun...	84.0	72.7	71.3	59.7	80.1	58.1	84.2	70.4	91.9	87.5		
Jul...	82.6	68.8	69.1	55.1	78.9	53.4	82.8	67.0	90.4	84.2		
Aug...	81.3	67.0	69.4	55.3	78.8	54.3	79.4	63.3	89.7	82.0		
Sep...	82.9	69.5	72.9	61.7	80.7	57.4	80.2	65.3	90.8	83.1		
Oct...	84.3	71.3	76.8	66.9	81.9	60.6	81.2	66.3	91.9	84.2		
Nov...	84.1	69.5	77.7	64.8	81.6	58.3	80.2	63.3	92.2	84.2		
Dec...	83.6	69.1	75.8	61.5	79.2	54.2	81.2	65.9	92.3	84.1		
1933												
Jan...	82.1	66.0	71.5	55.2	78.3	52.1	80.0	63.8	91.6	80.8		
Feb...	81.8	64.7	72.7	57.7	78.5	53.9	78.9	60.7	91.1	78.1		
Mar...	80.3	62.1	73.6	55.5	78.3	52.4	74.8	57.1	90.2	75.6		
Apr...	80.2	61.2	71.9	55.5	78.5	52.8	73.8	55.1	91.0	74.7		
May...	81.1	63.7	74.3	60.5	80.8	58.2	73.8	56.8	90.9	75.0		
Jun...	82.7	65.4	79.0	66.2	83.5	62.7	74.6	57.1	90.6	74.9		
Jul...	84.4	66.8	83.4	70.5	88.5	67.8	74.2	57.4	90.2	73.9		
Aug...	89.1	69.9	91.6	76.4	96.2	75.7	78.0	58.6	90.9	74.9		
Sep...	93.2	73.7	96.5	81.3	101.7	77.1	80.7	62.4	94.9	80.2		
Oct...	95.1	75.1	98.2	81.1	102.7	77.0	82.3	63.8	98.1	83.1		
Nov...	94.9	74.8	94.2	77.6	100.8	71.9	83.6	65.3	99.7	85.3		
Dec...	95.4	76.5	89.6	74.8	99.7	71.4	87.2	69.6	101.0	87.2		

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Paper and printing									
	"PAPER AND PRINTING" Group		Boxes, paper		Paper and pulp		Printing and publishing book and job		Printing and pub- lishing, newspapers and periodicals	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	93.6	73.9	84.6	69.3	98.8	70.7	86.2	68.0	98.3	82.6
Feb...	94.6	75.9	87.8	75.9	100.8	75.7	85.9	67.2	98.4	83.6
Mar...	95.4	77.9	91.3	81.7	102.6	77.9	84.9	68.0	98.7	85.4
Apr...	97.0	80.0	93.1	82.9	104.7	80.4	86.5	70.0	99.7	87.2
May...	98.0	81.1	93.3	83.6	105.0	78.8	88.8	72.7	99.9	88.5
Jun...	97.1	79.7	92.0	81.4	103.7	77.5	87.4	70.6	99.7	87.8
Jul...	96.0	78.3	91.3	79.2	102.3	76.1	86.8	70.0	97.9	85.4
Aug...	96.8	79.7	92.6	82.5	102.2	77.7	88.5	71.5	97.8	85.7
Sep...	98.5	81.7	95.5	85.7	102.7	78.3	90.2	72.5	99.8	89.2
Oct...	99.8	84.3	99.1	91.4	103.7	81.8	91.3	73.9	100.7	91.1
Nov...	100.5	84.5	100.0	90.2	103.9	80.5	92.0	74.8	101.4	91.8
Dec...	101.4	88.3	98.3	92.2	104.2	82.0	94.5	80.4	102.2	95.7
1935										
Jan...	99.7	85.5	92.9	84.4	103.5	81.9	93.3	78.7	100.3	91.3
Feb...	101.1	86.5	94.6	86.2	105.3	85.1	95.4	78.9	100.0	90.8
Mar...	101.5	87.1	96.5	89.5	106.1	86.6	93.8	78.0	101.0	91.4
Apr...	101.6	87.4	95.9	83.0	106.1	85.5	93.9	78.2	101.7	92.9
May...	101.5	87.8	94.6	85.3	106.1	85.0	93.3	80.1	102.0	92.9
Jun...	100.6	86.6	93.3	84.7	105.3	85.5	92.4	77.1	101.4	92.1
Jul...	100.7	84.8	93.6	84.2	105.0	83.1	94.2	77.4	99.5	88.1
Aug...	101.2	86.4	95.9	89.5	104.8	85.2	95.3	78.1	99.1	89.2
Sep...	102.7	89.6	99.6	96.5	105.2	88.7	95.5	79.2	102.0	93.4
Oct...	103.7	91.8	103.7	103.8	105.1	91.3	96.1	79.9	103.3	95.0
Nov...	104.3	91.5	104.2	101.0	104.9	89.7	97.1	80.0	103.9	96.0
Dec...	105.3	95.3	101.4	99.2	105.9	92.3	99.2	86.1	105.1	99.7
1936										
Jan...	102.8	91.3	95.2	86.5	104.6	89.6	96.7	82.8	103.7	96.9
Feb...	103.7	92.2	94.6	87.9	105.1	91.4	98.4	83.0	104.4	97.5
Mar...	103.6	93.9	95.0	90.4	105.5	92.8	96.8	83.3	105.2	100.3
Apr...	104.0	94.5	94.5	89.4	106.2	94.1	96.8	83.2	106.2	101.5
May...	104.4	95.3	95.3	91.0	106.8	94.9	97.7	84.4	105.6	101.8
Jun...	103.8	93.8	95.1	90.6	106.2	93.7	96.6	81.7	105.2	101.1
Jul...	103.4	90.9	96.1	90.1	105.7	91.1	97.8	80.2	102.5	96.2
Aug...	105.2	94.0	99.6	97.5	106.5	95.5	101.3	83.5	102.5	96.7
Sep...	107.8	96.7	105.8	104.0	107.8	93.8	102.5	85.5	106.1	102.2
Oct...	109.2	101.4	109.8	113.8	108.0	100.4	103.7	88.7	107.5	105.4
Nov...	110.2	103.5	110.6	114.6	109.2	102.9	105.1	91.6	108.0	106.6
Dec...	111.3	107.9	110.8	114.2	110.1	107.0	107.1	97.5	108.7	110.4
1937										
Jan...	109.5	103.6	104.2	103.3	111.0	108.3	105.8	95.6	106.0	101.8
Feb...	110.9	105.4	105.7	108.7	113.3	111.8	107.2	95.3	106.5	103.5
Mar...	112.4	109.2	108.0	112.4	114.8	114.8	107.8	98.5	108.3	108.2
Apr...	112.5	109.9	108.3	113.7	116.2	117.8	106.6	97.7	108.3	108.6
May...	113.0	111.1	107.8	111.9	117.3	120.0	107.0	99.0	108.8	109.6
Jun...	112.1	110.0	107.2	110.0	117.6	122.4	104.9	95.5	108.1	108.5
Jul...	111.1	106.5	106.4	105.7	116.6	117.4	105.1	94.3	105.8	104.5
Aug...	111.4	107.5	106.8	108.2	116.2	122.0	106.6	93.7	105.5	103.8
Sep...	113.1	108.8	107.0	103.7	116.2	115.8	108.8	97.1	108.6	108.7
Oct...	113.3	110.3	109.1	114.7	114.5	115.0	108.7	96.9	110.2	112.4
Nov...	111.7	106.6	107.6	108.1	110.9	103.8	108.1	97.4	109.7	111.1
Dec...	109.4	105.9	100.9	97.7	106.8	97.3	107.8	100.3	109.3	113.5
1938										
Jan...	106.1	100.3	93.0	87.5	105.5	96.3	105.4	95.3	105.5	105.3
Feb...	106.1	101.2	93.5	92.3	106.0	101.4	104.7	93.2	105.6	105.1
Mar...	105.3	101.3	94.5	94.2	105.4	101.8	102.0	91.7	105.9	106.4
Apr...	104.6	99.4	93.5	91.8	104.3	98.4	100.8	88.8	106.3	106.5
May...	103.4	98.5	92.7	92.2	102.9	97.2	99.2	87.6	105.6	106.0
Jun...	101.9	96.0	92.2	90.9	101.9	94.9	96.6	84.0	104.7	104.3

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
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(1923-25 = 100)

Year and Month	Chemicals and allied products									
	"CHEMICALS" Group 1/		"OTHER THAN PETRO- LEUM REFINING" Group 1/		Chemicals		Cottonseed—oil, cake, and meal		Druggists' preparations	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	102.9	102.2	102.9	102.1	105.7	101.8	87.8	83.9	97.7	91.8
1924...	96.3	96.4	96.9	97.0	95.0	95.1	100.5	94.9	96.8	97.5
1925...	100.3	101.4	100.2	100.9	96.3	100.1	111.7	121.2	105.5	110.7
1926...	105.5	105.7	105.4	107.4	—	—	—	—	105.3	113.4
1927...	104.2	107.8	102.6	106.8	—	—	127.0	151.3	110.4	119.2
1928...	103.0	106.0	102.5	106.0	—	—	—	—	106.6	113.1
1929...	115.7	120.9	113.6	118.4	109.2	120.0	109.0	118.9	116.4	124.4
1930...	109.4	112.2	105.6	106.6	99.5	103.5	—	—	106.2	116.3
1931...	95.4	92.0	92.7	87.7	85.1	84.2	84.5	88.5	103.2	105.3
1932...	85.6	71.7	82.4	66.9	76.0	64.6	95.2	70.5	92.3	85.3
1933...	97.1	76.2	94.8	72.5	93.3	75.2	98.1	57.1	94.7	86.7
1934...	110.8	90.9	108.6	87.5	115.6	96.3	94.7	61.9	105.4	96.4
1935...	112.5	97.4	110.8	94.2	115.5	102.2	91.1	62.8	106.5	101.4
1936...	115.4	106.1	114.0	103.4	123.4	116.1	83.4	60.0	106.4	105.2
1937...	125.3	130.2	124.8	127.7	136.5	146.7	95.2	79.0	114.7	120.8
1931										
Jan...	100.7	98.0	97.7	92.9	93.4	90.4	127.4	131.8	106.1	110.8
Feb...	99.6	99.1	96.6	93.7	91.9	91.9	107.1	106.4	107.7	114.7
Mar...	97.3	96.4	96.2	93.4	89.0	90.6	88.9	88.2	106.9	114.1
Apr...	100.6	98.5	98.2	94.1	86.1	87.1	82.7	85.3	101.6	107.3
May...	96.3	96.8	93.3	91.9	84.6	86.1	55.3	66.1	99.6	103.6
Jun...	93.1	92.7	89.4	88.0	84.0	84.6	47.2	54.6	96.1	98.8
Jul...	92.3	90.4	88.9	85.4	84.0	83.1	45.1	51.8	98.6	99.3
Aug...	91.2	88.4	88.0	84.0	80.7	79.5	44.3	53.5	102.1	101.2
Sep...	93.1	88.1	90.8	84.3	83.6	82.1	70.6	76.9	107.5	104.7
Oct...	94.2	88.6	92.3	85.7	84.0	83.3	99.1	103.3	107.6	108.7
Nov...	93.3	83.8	91.5	80.1	81.5	77.1	125.7	126.7	104.3	101.3
Dec...	92.0	82.8	89.8	78.8	78.8	74.7	117.3	117.6	100.2	99.6
1932										
Jan...	91.1	79.2	88.7	74.7	78.1	70.9	100.1	93.6	100.8	95.2
Feb...	91.2	79.7	89.0	75.5	77.7	70.7	106.5	93.6	98.6	93.5
Mar...	90.6	78.5	88.5	74.8	78.0	71.0	103.4	84.4	99.8	92.2
Apr...	90.4	76.8	88.3	73.0	77.2	68.3	92.3	73.7	93.2	86.5
May...	86.1	74.2	82.9	69.1	76.1	66.1	79.2	60.8	92.4	85.6
Jun...	78.5	69.0	73.5	62.4	74.3	62.3	56.2	44.2	89.1	82.7
Jul...	77.2	64.7	72.0	57.7	73.3	59.4	66.0	47.1	83.8	75.6
Aug...	76.8	64.3	71.8	57.5	72.9	59.6	65.2	46.0	86.6	77.7
Sep...	84.2	68.0	80.7	62.9	74.0	59.7	106.3	69.3	88.6	80.7
Oct...	86.6	69.1	84.1	65.4	76.4	63.1	123.6	77.6	91.4	83.5
Nov...	87.1	69.1	84.3	65.4	77.2	63.1	125.3	80.9	91.8	85.4
Dec...	87.0	68.1	84.2	64.0	77.0	61.4	118.2	74.6	91.3	84.6
1933										
Jan...	86.4	68.2	83.5	63.4	77.9	62.2	67.4	51.6	94.7	86.9
Feb...	87.7	68.3	84.3	63.7	79.3	63.4	96.5	52.4	90.7	84.3
Mar...	87.1	67.1	84.1	61.9	79.3	62.3	92.1	49.3	90.0	80.6
Apr...	88.4	66.9	85.5	61.8	78.6	61.7	69.9	29.2	87.6	76.3
May...	87.6	69.6	84.1	64.7	81.6	66.1	60.5	25.6	85.8	77.5
Jun...	90.0	73.2	86.6	68.9	87.0	71.7	71.1	36.7	87.1	81.1
Jul...	94.4	76.0	82.1	72.5	94.4	77.9	78.5	42.9	90.6	81.6
Aug...	101.4	80.0	100.3	77.6	103.3	84.5	91.6	53.4	92.9	87.1
Sep...	108.6	83.8	107.8	81.3	107.7	84.1	128.3	81.0	99.3	91.3
Oct...	111.7	87.7	110.7	85.4	109.7	89.2	146.8	102.3	104.0	96.8
Nov...	111.2	86.8	109.6	84.1	110.5	88.6	129.3	83.9	106.1	98.4
Dec...	110.1	86.9	108.0	84.2	110.0	90.1	124.8	77.4	107.2	93.2

1/ Revised from 1923 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 49 and 50.

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INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
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(1923-25 = 100)

Year and Month	Chemicals and allied products									
	"CHEMICALS" Group 1/		"OTHER THAN PETRO- LEUM REFINING" Group 1/		Chemicals		Cottonseed—oil, cake, and meal		Druggists' preparations	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	110.2	86.4	108.2	83.4	111.5	90.4	112.5	71.9	105.5	94.2
Feb...	112.8	89.1	111.4	86.5	111.6	91.7	125.7	82.5	106.6	96.8
Mar...	114.6	90.7	113.7	88.0	114.8	92.8	107.7	68.8	107.4	97.5
Apr...	114.6	93.6	114.3	91.8	118.2	99.8	77.5	48.0	104.6	97.0
May...	108.0	89.9	105.6	86.9	118.7	98.4	61.7	38.8	101.7	92.5
Jun...	106.7	90.1	103.4	86.7	119.3	100.2	56.2	37.5	100.7	94.2
Jul...	107.7	90.4	104.5	86.4	120.2	100.7	60.9	42.2	98.0	90.2
Aug...	109.2	91.7	106.0	87.5	118.8	100.6	80.7	54.1	102.9	93.9
Sep...	111.3	91.3	108.6	87.2	115.8	96.1	114.1	75.7	107.3	96.2
Oct...	112.1	92.8	109.7	88.7	114.3	96.4	127.0	83.0	111.1	103.0
Nov...	111.0	92.1	108.6	88.4	112.2	94.7	105.7	68.5	110.3	101.5
Dec...	110.9	92.6	108.8	88.6	111.7	94.0	106.8	72.2	109.0	99.2
1935										
Jan...	110.4	92.3	108.6	89.1	110.9	94.9	92.5	59.5	106.1	100.7
Feb...	111.4	93.9	110.2	91.1	110.8	95.1	90.7	61.2	107.7	102.0
Mar...	114.9	96.6	114.4	94.1	111.5	97.9	97.4	66.6	107.8	102.1
Apr...	113.8	96.8	112.8	94.2	115.3	100.6	71.5	46.7	107.3	103.9
May...	110.5	95.9	108.7	93.1	115.6	102.3	58.3	38.9	105.0	99.4
Jun...	109.8	96.2	107.2	92.6	116.7	102.5	60.6	42.9	104.0	99.0
Jul...	109.3	96.5	106.4	92.6	117.7	106.2	62.9	45.7	102.6	98.2
Aug...	110.5	98.1	107.6	93.9	116.4	105.4	76.5	54.9	105.0	97.6
Sep...	113.5	99.8	111.9	96.1	116.8	103.3	107.7	74.7	107.3	103.5
Oct...	116.3	101.5	115.1	98.5	117.7	104.7	135.0	93.2	109.8	106.5
Nov...	115.3	99.9	114.0	97.4	118.4	106.6	124.9	87.2	108.4	100.6
Dec...	113.9	101.7	112.5	98.2	117.6	106.8	115.6	82.6	106.7	103.3
1936										
Jan...	112.4	98.8	110.9	95.9	116.1	104.3	93.3	64.2	105.4	101.3
Feb...	111.4	98.3	109.8	95.6	115.8	104.5	86.6	58.6	105.5	100.2
Mar...	114.6	103.0	113.9	100.2	116.9	107.7	85.5	58.1	107.0	106.3
Apr...	113.1	102.2	111.5	99.5	117.8	109.7	59.6	38.9	106.2	104.2
May...	112.4	103.7	110.7	101.0	119.2	111.9	50.9	34.3	104.6	102.0
Jun...	110.8	103.8	108.4	100.4	120.7	113.9	43.7	30.3	104.2	99.2
Jul...	113.1	104.8	110.3	100.9	124.6	115.5	48.7	35.2	103.9	100.5
Aug...	113.7	106.3	111.8	103.7	125.1	118.4	53.2	40.2	104.0	104.9
Sep...	120.4	110.3	119.2	107.7	129.3	120.8	115.3	85.9	107.0	107.0
Oct...	121.2	112.5	120.6	110.6	132.1	125.4	123.5	92.9	108.3	112.3
Nov...	121.2	113.0	120.4	110.2	132.2	128.2	123.6	91.4	109.8	112.4
Dec...	120.8	116.7	120.4	114.9	131.3	133.2	117.0	90.3	110.6	112.2
1937										
Jan...	121.6	117.3	121.4	115.7	133.1	132.5	107.4	81.7	110.5	112.8
Feb...	123.1	120.7	123.2	119.8	133.7	136.0	97.1	72.7	114.1	119.1
Mar...	126.4	125.2	127.1	124.8	136.3	141.0	81.2	63.1	116.3	121.0
Apr...	128.1	133.3	128.9	132.1	137.9	151.5	69.9	54.7	115.7	119.4
May...	125.7	134.0	125.3	132.4	139.8	153.9	56.9	46.0	112.4	117.7
Jun...	125.0	135.0	123.9	132.1	140.8	154.9	52.1	41.9	112.8	121.1
Jul...	125.5	134.3	124.1	131.2	142.1	155.1	49.7	38.4	110.2	111.7
Aug...	126.0	138.2	124.6	134.1	139.7	157.3	64.5	52.1	115.9	122.7
Sep...	130.6	136.6	130.5	134.2	139.9	152.2	145.6	124.3	118.3	126.9
Oct...	128.5	135.1	128.3	132.5	137.7	151.8	153.2	131.1	119.1	128.6
Nov...	124.5	129.9	123.7	126.3	132.1	142.8	144.8	125.3	116.7	125.4
Dec...	118.3	122.4	117.0	117.2	124.8	131.4	131.4	116.2	114.5	123.6
1938										
Jan...	114.6	115.7	112.6	109.5	120.2	125.3	124.9	107.4	109.8	118.0
Feb...	115.1	117.3	113.4	110.8	117.3	123.6	119.9	100.0	109.9	115.6
Mar...	115.1	117.3	113.6	111.3	113.4	118.5	104.6	87.2	108.6	114.8
Apr...	112.4	114.3	110.2	108.0	111.4	117.4	89.5	72.1	108.1	114.3
May...	108.8	115.7	105.9	103.3	109.6	116.8	69.0	57.4	107.8	114.1
Jun...	105.2	112.8	101.4	105.1	109.7	118.1	57.8	48.0	107.6	114.4

1/ Revised from 1923 to date. Monthly indexes from January 1923 to December 1930 are shown on pages 49 and 50.

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Chemicals and allied products—Continued									
	Explosives		Fertilizers		Paints and varnishes		Rayon and allied products		Soap	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	108.5	109.5	100.5	99.1	95.6	91.6	87.3	91.3	104.9	105.7
1924...	94.8	97.6	93.1	93.6	97.6	99.8	93.1	95.5	100.0	100.0
1925...	96.7	92.9	106.4	107.3	106.8	108.6	119.6	113.2	95.1	94.3
1926...	98.7	92.2	112.8	118.4	—	—	—	—	—	—
1927...	98.5	97.6	100.8	106.9	117.5	123.3	164.8	141.2	82.9	100.3
1928...	95.4	92.2	107.6	109.1	—	—	—	—	—	—
1929...	95.3	102.0	113.4	108.3	122.3	129.6	244.4	220.2	88.6	96.7
1930...	79.7	74.7	111.0	104.2	—	—	242.2	214.1	—	—
1931...	80.4	66.9	78.8	73.4	94.4	90.3	241.9	188.4	87.4	90.2
1932...	63.6	43.9	56.5	43.7	87.3	71.1	214.3	146.2	82.7	74.4
1933...	70.8	49.6	70.7	44.0	95.9	73.0	276.7	190.3	88.3	71.9
1934...	84.8	65.5	93.8	63.8	110.4	88.1	292.3	219.3	91.0	77.2
1935...	77.6	67.7	94.6	66.3	116.0	98.8	315.7	249.8	85.9	78.0
1936...	79.9	80.5	90.4	69.8	120.5	110.8	325.6	271.4	85.2	79.0
1937...	88.2	99.1	103.1	92.6	128.2	129.2	356.0	344.4	95.3	93.7
1931										
Jan...	83.3	61.2	91.6	83.0	94.4	89.9	216.1	179.3	86.2	96.0
Feb...	83.3	70.6	93.1	83.9	95.3	94.6	219.1	179.1	86.6	94.4
Mar...	81.6	70.5	117.7	98.5	96.6	97.0	230.3	189.9	86.5	93.9
Apr...	81.9	68.6	145.9	130.3	98.0	97.8	236.4	189.0	88.6	95.5
May...	79.1	66.6	92.1	85.8	100.6	101.4	243.0	200.2	90.1	98.2
Jun...	77.4	65.6	57.1	60.5	99.7	98.5	248.9	199.1	87.2	92.4
Jul...	80.4	67.3	52.6	56.4	94.2	90.3	253.1	198.7	87.6	84.8
Aug...	80.2	69.1	55.7	56.4	91.6	86.1	257.2	201.1	86.4	90.1
Sep...	79.9	68.5	62.4	60.0	91.9	84.4	251.3	189.4	89.6	88.3
Oct...	79.9	69.1	60.7	56.8	91.6	83.5	252.6	194.7	88.6	89.0
Nov...	79.8	66.9	57.4	53.2	89.4	80.0	248.1	170.0	86.3	80.5
Dec...	77.5	59.2	58.8	56.4	89.2	79.6	247.2	170.3	85.1	79.2
1932										
Jan...	74.6	49.1	61.8	55.1	88.2	75.2	250.3	165.6	83.5	76.8
Feb...	72.1	51.4	68.0	54.2	69.3	77.0	248.9	176.2	83.9	78.4
Mar...	66.2	49.4	76.5	56.8	90.2	78.2	239.5	172.6	84.1	78.0
Apr...	63.8	44.9	109.0	78.4	89.0	76.2	231.0	163.4	83.7	78.2
May...	63.1	47.1	68.4	53.4	89.9	78.4	215.8	145.1	81.7	74.4
Jun...	59.6	39.2	35.3	30.0	89.5	75.9	154.2	104.6	82.9	78.7
Jul...	55.3	36.7	32.0	27.8	86.1	66.1	152.9	96.2	80.5	71.7
Aug...	57.2	37.2	36.3	29.0	83.1	61.5	152.7	101.0	81.1	70.6
Sep...	59.1	38.2	46.2	34.7	84.7	65.2	216.5	147.5	81.6	72.1
Oct...	62.5	43.8	48.8	35.0	86.7	69.2	231.0	157.6	83.6	73.1
Nov...	65.0	46.1	49.4	35.3	86.0	66.3	236.1	160.5	84.6	71.1
Dec...	65.1	44.0	45.8	34.2	84.8	64.1	242.7	164.0	81.3	68.7
1933										
Jan...	61.8	39.3	53.2	36.5	82.8	60.4	246.5	166.0	81.0	66.1
Feb...	61.7	39.5	61.2	36.2	84.2	62.6	246.6	163.8	82.0	67.1
Mar...	61.2	40.0	74.1	40.9	83.8	58.7	234.6	156.2	80.9	66.1
Apr...	60.3	37.4	136.5	73.1	86.6	65.2	219.8	142.5	81.1	66.1
May...	59.9	39.1	72.8	40.3	94.5	76.2	242.7	161.5	82.7	68.1
Jun...	60.1	42.7	43.3	27.2	100.3	81.5	255.6	177.8	85.7	72.1
Jul...	67.0	49.2	46.0	29.9	102.8	80.5	276.6	190.0	87.2	73.1
Aug...	74.1	57.4	51.7	33.9	104.2	79.0	310.8	210.2	95.1	74.0
Sep...	85.0	60.9	69.8	48.1	104.7	77.9	324.5	225.1	99.3	78.1
Oct...	86.8	66.0	78.6	55.9	104.5	79.7	324.3	229.7	99.5	78.1
Nov...	87.1	63.6	78.6	50.5	101.5	77.2	324.6	229.7	94.9	77.2
Dec...	84.5	59.8	82.7	56.0	100.3	77.6	313.7	231.0	89.8	73.1

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(1923-25 = 100)

Year and Month	Chemicals and allied products—Continued									
	Explosives		Fertilizers		Paints and varnishes		Rayon and allied products		Soap	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	83.1	61.5	93.1	62.7	104.4	50.5	310.0	216.7	86.4	71.3
Feb...	85.5	62.9	106.2	66.4	108.3	83.8	314.6	228.4	90.9	76.5
Mar...	86.2	64.6	140.1	87.2	109.0	86.5	310.3	225.7	94.2	80.2
Apr...	89.5	71.4	158.6	107.4	113.4	93.0	306.4	228.0	93.6	79.1
May...	87.8	67.1	98.2	67.9	118.6	98.5	254.8	195.5	92.1	77.2
Jun...	86.4	67.4	65.9	46.1	116.9	96.4	259.7	203.9	89.6	75.6
Jul...	84.1	64.8	63.1	45.4	111.2	87.8	281.1	212.1	89.1	75.0
Aug...	83.4	67.6	64.5	45.8	108.7	86.6	287.3	216.2	89.4	75.3
Sep...	84.9	64.0	84.2	62.8	108.1	84.0	287.5	217.7	88.9	76.2
Oct...	82.9	65.7	81.3	58.5	108.8	86.5	287.9	218.7	95.9	82.9
Nov...	82.4	64.2	81.2	55.3	108.7	86.8	300.3	233.1	94.2	80.1
Dec...	81.2	64.2	88.6	59.9	108.3	86.2	307.8	241.2	87.6	76.3
1935										
Jan...	78.6	61.3	98.4	65.2	107.2	87.5	315.0	246.0	86.2	75.4
Feb...	78.1	68.0	108.1	69.3	110.9	92.2	322.6	252.3	88.3	78.1
Mar...	77.0	65.1	152.9	102.9	113.0	94.9	323.6	251.6	88.9	78.9
Apr...	74.9	63.3	143.5	95.6	118.4	101.3	309.0	240.8	88.0	79.7
May...	77.0	67.5	102.7	72.4	122.1	104.7	300.3	235.0	83.5	76.7
Jun...	76.8	66.8	74.6	53.9	121.8	103.4	298.6	237.4	84.2	77.7
Jul...	76.4	64.3	64.9	47.9	117.3	97.6	300.1	236.7	84.0	76.1
Aug...	77.5	71.0	66.1	48.7	113.7	96.2	311.8	250.3	83.4	75.8
Sep...	78.5	67.0	78.4	60.4	115.1	98.2	324.6	261.3	87.3	80.5
Oct...	79.8	74.4	85.0	62.2	117.8	104.1	327.5	260.5	89.1	82.2
Nov...	79.1	73.2	80.1	57.2	117.9	103.2	326.7	260.2	87.5	78.8
Dec...	77.3	70.9	80.8	59.5	116.3	102.8	328.5	265.2	80.9	75.7
1936										
Jan...	77.3	69.3	88.8	62.9	115.4	100.8	324.6	261.6	80.8	75.5
Feb...	75.3	72.5	90.1	60.7	115.5	102.6	318.7	258.0	80.2	75.1
Mar...	75.2	75.2	135.3	97.7	116.4	105.2	323.1	264.4	80.2	75.5
Apr...	75.0	71.0	132.0	98.0	120.6	110.5	303.8	252.3	80.8	74.6
May...	75.3	74.6	105.9	90.0	123.3	116.4	313.4	256.3	81.3	76.4
Jun...	78.8	80.6	65.1	53.1	124.2	117.0	313.9	259.6	82.4	77.7
Jul...	79.8	79.5	64.5	50.6	121.6	110.2	324.3	269.9	79.3	74.6
Aug...	81.7	82.9	67.0	53.6	119.9	109.9	333.1	281.4	87.1	82.4
Sep...	83.1	85.3	85.8	73.6	122.1	110.4	336.3	283.6	91.4	82.5
Oct...	84.4	89.2	84.7	67.4	123.9	115.8	337.6	288.5	91.4	85.7
Nov...	86.3	90.2	76.9	61.1	120.7	113.1	339.9	279.6	95.4	82.7
Dec...	86.1	96.2	88.6	69.3	122.9	117.7	338.4	301.3	91.7	85.1
1937										
Jan...	85.0	88.2	95.9	75.3	123.3	116.4	343.3	317.1	93.1	86.5
Feb...	83.9	86.3	105.8	84.2	126.4	123.1	345.9	323.1	101.0	99.7
Mar...	84.5	94.1	150.6	124.1	129.7	128.8	348.6	327.9	101.8	98.6
Apr...	86.7	103.8	168.0	146.7	133.2	137.9	353.1	342.1	98.3	92.9
May...	85.0	99.6	116.5	113.6	135.2	141.5	358.6	358.2	94.9	91.0
Jun...	88.8	99.4	84.2	77.3	133.9	139.3	365.5	367.4	94.9	92.0
Jul...	90.0	101.3	77.7	76.2	131.8	135.2	374.4	368.4	94.7	93.5
Aug...	90.5	104.2	81.3	78.1	128.4	132.8	376.7	375.8	94.1	94.0
Sep...	92.2	103.6	93.9	96.0	128.1	128.6	380.1	369.1	94.9	97.5
Oct...	91.8	107.7	89.4	82.2	127.3	131.2	361.8	351.6	94.6	96.6
Nov...	90.1	103.8	83.6	76.5	123.8	122.1	349.2	337.9	92.6	93.4
Dec...	89.3	97.6	90.6	81.2	117.2	113.5	314.5	294.0	87.6	89.1
1938										
Jan...	85.0	80.1	92.1	78.7	112.5	104.0	294.3	258.3	87.1	87.5
Feb...	82.4	90.0	104.2	87.0	112.2	108.1	307.3	265.8	89.2	89.2
Mar...	82.5	88.1	129.5	109.2	113.5	110.8	312.1	281.7	89.0	89.7
Apr...	81.4	83.8	136.3	118.8	114.2	114.1	283.0	244.2	86.9	87.0
May...	80.3	83.2	100.1	93.9	114.9	119.5	283.8	257.9	85.0	86.0
Jun...	80.2	86.4	69.0	65.0	113.0	115.6	265.4	242.1	85.0	85.9

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Chemicals and allied products— Continued		Rubber products							
	Petroleum refining		"RUBBER" Group		Rubber boots and shoes		Rubber goods, other than boots, shoes, tires, and inner tubes		Rubber tires and their in- ner tubes	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	103.0	102.3	102.6	101.0	117.0	118.7	103.1	100.1	97.7	96.8
1924...	96.1	94.6	91.8	92.9	83.6	82.3	91.6	92.7	94.5	95.7
1925...	100.9	103.1	105.6	106.1	99.4	99.0	105.3	107.2	107.8	107.5
1926...	110.8	112.7	105.1	107.0	103.0	101.7	—	—	105.4	107.2
1927...	109.9	111.9	105.7	110.0	106.8	113.2	110.3	115.5	103.3	107.0
1928...	104.7	108.3	111.1	117.5	105.0	107.1	—	—	109.9	116.8
1929...	124.4	129.2	111.0	115.1	102.1	105.6	120.3	126.4	110.0	113.2
1930...	124.9	130.4	85.9	84.7	82.0	77.4	—	—	79.0	79.3
1931...	106.2	105.8	73.9	62.5	63.2	48.6	102.3	89.9	64.9	56.2
1932...	98.7	87.5	67.6	47.4	59.6	42.4	91.3	68.1	59.8	41.2
1933...	106.5	88.4	79.1	55.0	72.0	51.0	105.3	75.3	69.9	48.8
1934...	119.8	101.8	88.8	69.3	77.5	58.3	116.7	89.1	80.2	65.1
1935...	119.4	107.9	85.4	74.2	68.6	56.9	120.6	99.0	75.4	69.8
1936...	121.3	115.0	90.4	87.5	75.2	66.1	129.0	115.2	78.5	83.1
1937...	127.2	138.1	96.8	96.9	75.1	74.1	142.5	138.3	84.0	87.9
1931										
Jan...	113.2	114.5	76.5	66.8	68.6	55.0	103.2	93.2	67.3	60.2
Feb...	111.9	116.7	75.2	66.3	66.5	47.0	103.0	92.7	65.8	61.6
Mar...	101.6	106.1	72.7	65.8	53.3	33.4	104.0	94.9	65.4	63.5
Apr...	110.6	112.9	73.9	67.9	59.0	42.8	103.6	93.3	65.8	65.1
May...	111.4	112.8	76.2	71.0	60.6	44.4	104.1	93.8	69.0	69.4
Jun...	108.3	107.8	77.0	71.6	63.1	46.7	104.2	93.0	69.6	70.2
Jul...	106.6	106.6	75.3	64.3	63.7	49.6	102.8	90.5	67.0	58.6
Aug...	104.4	102.6	72.8	62.0	58.6	50.1	100.8	87.4	65.2	55.9
Sep...	102.7	100.3	73.0	55.2	65.3	55.5	101.6	84.3	62.8	44.7
Oct...	101.9	98.2	71.6	55.4	65.5	55.2	100.8	88.5	60.8	43.5
Nov...	100.5	95.5	71.6	51.4	68.4	52.8	100.0	83.9	60.2	39.4
Dec...	100.9	95.9	70.8	52.6	65.5	50.6	99.2	83.1	60.0	42.1
1932										
Jan...	101.1	93.7	69.8	52.4	62.3	44.5	96.3	77.7	60.6	45.2
Feb...	100.3	93.1	70.4	53.6	58.3	38.8	100.0	81.1	61.3	47.4
Mar...	99.0	90.8	69.6	51.6	56.6	41.0	98.8	78.5	61.0	44.6
Apr...	99.2	89.0	68.4	48.5	54.8	37.5	95.4	71.5	61.1	42.9
May...	99.1	90.9	67.6	48.0	54.8	38.9	92.0	66.5	61.1	43.6
Jun...	99.4	90.7	68.5	52.1	56.7	37.9	91.4	64.8	62.3	51.1
Jul...	98.8	87.2	66.2	45.8	53.1	31.4	85.9	61.8	61.8	43.6
Aug...	97.4	86.5	64.6	42.3	54.9	36.8	83.1	56.3	59.6	38.5
Sep...	98.6	84.5	64.7	41.1	59.3	42.3	85.9	63.5	57.1	32.9
Oct...	96.7	81.2	66.6	45.0	64.0	48.2	90.0	70.3	57.2	35.2
Nov...	96.6	81.1	67.4	43.8	68.5	54.1	89.5	63.9	57.2	34.1
Dec...	98.5	81.2	67.3	44.3	71.9	57.4	87.0	61.3	57.1	34.9
1933										
Jan...	98.1	83.7	65.0	40.4	65.6	44.5	83.9	56.6	56.4	33.6
Feb...	99.4	83.4	65.8	41.0	62.4	41.6	85.9	58.0	58.0	34.8
Mar...	99.8	84.0	63.7	36.7	57.7	33.1	84.2	52.3	56.7	32.0
Apr...	100.4	83.5	63.9	39.7	55.3	30.8	86.5	59.6	56.8	34.9
May...	101.9	85.4	67.9	49.0	53.7	34.6	91.4	66.1	62.2	46.5
Jun...	103.9	87.0	75.3	58.7	56.8	39.6	99.6	76.7	70.7	57.2
Jul...	104.0	87.0	83.6	66.1	63.5	47.5	110.2	86.5	78.6	63.5
Aug...	106.1	87.9	92.8	67.1	79.8	61.0	124.2	89.3	83.2	60.8
Sep...	112.2	91.8	94.7	66.5	91.2	65.6	127.2	91.2	81.5	57.9
Oct...	116.2	95.3	94.7	67.9	89.9	69.7	131.7	96.6	79.9	57.3
Nov...	117.6	95.9	92.3	63.0	93.7	72.1	124.5	86.8	77.7	52.3
Dec...	118.9	95.6	89.3	63.9	94.1	72.3	114.4	83.6	76.7	54.8

(6566) INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1931 to June 1938.

(1923-25 = 100)

Year and Month	Chemicals and allied products— Continued		Rubber products							
	Petroleum refining		"RUBBER" Group		Rubber boots and shoes		Rubber goods, other than boots, shoes, tires, and inner tubes		Rubber tires and their in- ner tubes	
	Employ- ment	Pay Rolls	Employ- ment	Pay Rolls	Employ- ment	Pay Rolls	Employ- ment	Pay Rolls	Employ- ment	Pay Rolls
1934										
Jan...	118.2	96.0	87.3	63.1	87.4	63.1	112.3	83.0	76.2	56.1
Feb...	118.7	97.5	90.6	71.3	82.9	57.7	118.8	91.0	80.8	67.7
Mar...	118.4	99.1	93.8	77.6	81.0	60.0	124.0	98.1	84.8	74.8
Apr...	116.1	99.3	96.6	80.1	80.6	59.3	128.3	101.3	88.0	77.8
May...	118.0	99.8	96.8	77.7	78.8	59.5	129.3	100.7	88.4	74.2
Jun...	120.3	100.9	93.0	73.3	77.3	60.1	118.4	92.3	87.1	69.9
Jul...	120.7	103.5	89.7	66.7	75.2	53.3	117.1	86.6	82.4	63.0
Aug...	122.7	105.3	86.1	63.8	75.7	59.3	111.2	83.6	78.4	57.9
Sep...	122.4	104.5	83.5	60.6	75.5	56.6	109.8	79.5	74.5	54.9
Oct...	122.2	106.0	81.8	62.5	72.8	55.8	110.0	83.9	72.4	56.6
Nov...	120.9	104.3	81.9	63.3	72.0	56.1	109.4	81.6	73.0	58.6
Dec...	119.5	105.4	83.9	71.8	70.7	58.6	112.0	87.8	75.9	69.5
1935										
Jan...	117.9	102.8	86.4	74.2	70.4	58.1	116.1	92.0	78.7	72.0
Feb...	116.2	103.1	87.7	77.9	70.5	57.1	119.9	98.0	79.2	76.0
Mar...	117.1	104.5	87.8	76.1	69.6	57.7	122.0	99.8	78.8	72.4
Apr...	117.8	105.2	86.8	77.0	63.6	51.4	123.1	99.9	78.5	75.4
May...	117.9	105.2	85.7	71.7	64.7	51.5	121.4	98.3	76.9	67.3
Jun...	120.5	108.0	84.0	69.9	64.4	50.0	117.1	91.2	76.0	67.4
Jul...	121.2	109.4	81.3	65.9	62.3	50.0	114.2	88.9	73.1	61.8
Aug...	122.3	111.6	82.4	69.2	70.1	58.6	114.3	92.7	72.4	63.6
Sep...	120.2	111.9	84.3	73.8	71.0	59.6	120.1	102.0	73.0	67.4
Oct...	121.1	111.4	86.0	75.7	71.9	62.5	125.3	109.0	75.4	67.3
Nov...	120.5	107.9	85.8	77.2	71.3	59.5	127.2	106.4	72.4	71.3
Dec...	119.7	113.2	86.1	82.0	73.2	66.6	125.9	109.4	72.8	76.2
1936										
Jan...	118.8	108.3	85.2	78.0	72.1	62.5	122.5	103.6	73.1	72.9
Feb...	117.9	107.3	84.3	75.0	70.4	58.4	123.5	103.4	72.5	69.1
Mar...	117.5	112.2	75.4	66.9	71.8	61.5	124.2	106.5	55.1	54.3
Apr...	119.5	110.7	87.6	82.8	72.9	61.1	127.6	111.8	74.8	78.0
May...	119.5	112.7	88.5	86.3	71.9	59.8	127.5	111.3	76.9	84.2
Jun...	120.8	115.0	89.3	88.8	70.0	62.5	125.7	111.3	79.7	87.5
Jul...	124.6	117.4	90.4	87.0	73.2	60.6	124.8	107.0	80.9	86.5
Aug...	121.4	114.9	91.7	90.7	76.5	66.7	123.3	111.1	82.8	89.6
Sep...	125.4	119.0	93.9	92.1	78.3	67.9	128.9	115.8	83.4	89.8
Oct...	123.7	118.6	97.5	96.8	79.8	71.5	137.5	129.1	85.7	91.7
Nov...	124.3	122.0	99.5	101.1	81.3	76.4	140.3	131.5	87.5	96.6
Dec...	122.6	122.3	101.4	104.9	84.0	84.8	142.5	140.3	89.1	97.4
1937										
Jan...	122.5	122.3	100.8	99.4	78.8	73.7	143.5	137.3	89.3	92.5
Feb...	122.7	123.6	101.1	104.2	74.6	71.6	146.4	142.2	90.0	98.9
Mar...	123.6	126.5	96.5	99.9	81.6	79.6	149.1	147.1	78.2	88.3
Apr...	125.2	137.4	96.5	100.3	77.3	75.3	152.1	151.9	78.4	88.4
May...	127.2	139.2	103.0	109.2	76.9	80.2	151.6	154.7	90.3	100.4
Jun...	129.8	144.3	100.6	103.9	73.1	76.9	147.0	146.0	89.2	95.8
Jul...	131.2	144.5	95.6	96.6	62.3	60.4	141.4	136.9	86.4	91.4
Aug...	132.0	151.7	97.3	97.2	77.7	80.8	139.7	135.2	85.2	87.8
Sep...	130.9	144.3	97.5	97.6	79.4	83.8	139.4	133.5	85.1	88.3
Oct...	129.4	143.4	97.1	94.5	78.1	77.6	142.0	140.6	83.7	82.4
Nov...	127.6	141.6	90.5	82.2	72.6	68.5	132.7	122.7	77.8	71.3
Dec...	123.7	139.1	85.6	77.3	68.6	60.3	125.1	111.8	73.8	69.3
1938										
Jan...	122.8	135.9	77.9	66.1	59.6	48.9	112.2	95.5	68.8	60.0
Feb...	121.7	138.2	74.1	58.9	56.2	43.8	112.6	97.8	63.1	49.0
Mar...	121.2	136.5	72.9	60.9	55.1	44.4	111.6	99.0	61.7	51.5
Apr...	121.3	134.9	72.7	61.9	54.3	42.0	112.6	99.3	61.2	53.7
May...	120.9	139.6	71.4	63.3	52.8	43.8	110.3	97.5	60.4	56.1
Jun...	121.1	137.8	70.6	63.5	53.9	45.2	106.3	93.4	60.4	57.5

INDEXES OF EMPLOYMENT AND PAY ROLLS IN ALL MANUFACTURING INDUSTRIES COMBINED
AND IN THE DURABLE AND NONDURABLE GOODS GROUPS
By months, January 1923 to December 1930.

(1923-25 = 100)

Year and Month	TOTAL ALL INDUSTRIES		DURABLE GOODS GROUP		NONDURABLE GOODS GROUP	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923						
Jan...	100.2	93.9	97.7	89.3	102.6	99.0
Feb...	102.4	97.8	101.0	94.9	103.9	101.1
Mar...	104.6	102.6	103.6	100.7	105.6	104.7
Apr...	105.1	103.8	105.6	104.0	104.6	103.6
May...	105.2	107.3	106.6	109.0	104.0	105.5
Jun...	105.7	107.2	107.4	109.2	104.1	104.8
Jul...	104.6	102.9	106.1	103.5	103.2	102.1
Aug...	104.8	103.1	105.8	105.0	103.8	101.0
Sep...	105.3	105.8	105.4	104.5	105.2	103.0
Oct...	104.0	105.9	104.6	107.9	103.3	103.6
Nov...	102.8	103.9	103.7	106.7	101.8	100.7
Dec...	101.1	102.7	101.6	103.8	100.7	101.4
1924						
Jan...	100.1	98.9	100.6	98.3	99.6	99.6
Feb...	101.7	104.5	102.6	106.6	100.9	102.2
Mar...	101.9	104.5	103.8	107.8	100.2	100.8
Apr...	100.1	102.0	103.4	106.7	97.1	96.8
May...	96.8	97.6	99.3	100.9	94.5	93.9
Jun...	93.8	91.9	94.8	92.7	92.8	91.0
Jul...	90.6	85.3	90.7	83.6	90.6	87.2
Aug...	92.0	89.1	90.6	86.9	93.2	91.6
Sep...	94.2	92.4	91.4	88.7	96.9	96.6
Oct...	95.0	94.6	92.8	92.0	97.0	97.4
Nov...	94.5	93.1	92.5	90.8	96.4	95.6
Dec...	96.1	97.6	94.3	95.4	97.7	100.1
1925						
Jan...	96.6	96.0	95.3	92.7	97.3	99.7
Feb...	98.3	101.0	97.3	99.9	99.3	102.2
Mar...	99.2	102.8	98.7	102.2	99.7	103.4
Apr...	99.1	100.4	99.9	101.6	98.4	99.1
May...	98.6	101.4	100.1	103.3	97.1	99.3
Jun...	98.4	99.2	99.2	100.2	97.7	98.1
Jul...	98.3	97.5	97.9	96.3	98.7	98.7
Aug...	100.0	100.1	98.7	98.5	101.3	101.9
Sep...	101.9	99.4	100.1	98.1	103.7	101.0
Oct...	102.6	105.3	102.0	105.8	103.2	104.9
Nov...	102.2	105.1	102.3	106.1	102.2	103.9
Dec...	101.8	105.5	102.2	106.6	101.4	104.4
1926						
Jan...	101.0	101.6	101.3	99.9	100.7	103.5
Feb...	102.0	105.7	102.9	106.4	101.1	105.0
Mar...	102.5	107.2	103.9	108.6	101.2	105.6
Apr...	101.8	104.9	104.3	107.8	99.4	101.6
May...	100.8	103.5	103.7	106.5	98.0	100.2
Jun...	100.8	103.7	103.2	106.1	98.5	101.1
Jul...	99.7	99.4	101.8	100.2	97.7	98.6
Aug...	101.8	103.8	103.0	104.7	100.7	102.8
Sep...	104.0	105.1	103.5	104.6	104.4	105.6
Oct...	103.6	108.0	103.0	108.2	104.2	107.9
Nov...	101.6	104.3	100.8	103.9	102.4	104.9
Dec...	100.3	103.6	98.6	101.1	101.9	106.3

INDEXES OF EMPLOYMENT AND PAY ROLLS IN ALL MANUFACTURING INDUSTRIES COMBINED
 AND IN THE DURABLE AND NONDURABLE GOODS GROUPS
 By months, January 1923 to December 1930.

(1923-25 = 100)

Year and Month	TOTAL ALL INDUSTRIES		DURABLE GOODS GROUP		NONDURABLE GOODS GROUP	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1927						
Jan...	98.6	98.6	96.0	93.6	101.1	104.3
Feb...	100.2	104.8	97.9	101.8	102.3	108.2
Mar...	100.9	106.6	99.1	104.8	102.6	108.5
Apr...	100.3	105.0	99.3	104.6	101.2	105.5
May...	99.6	104.8	99.2	104.7	100.0	104.9
Jun...	99.7	103.2	98.2	101.2	101.1	105.4
Jul...	98.6	99.1	95.8	94.8	101.2	103.9
Aug...	99.9	102.5	96.4	93.5	103.3	107.0
Sep...	101.2	102.1	95.9	96.1	106.2	108.8
Oct...	100.2	102.7	95.2	97.7	104.9	108.3
Nov...	98.0	98.9	92.9	93.7	102.8	104.7
Dec...	96.5	100.0	91.5	94.7	101.3	106.0
1928						
Jan...	95.3	96.6	90.3	90.1	100.1	103.8
Feb...	97.2	102.0	92.8	98.0	101.3	106.4
Mar...	98.2	103.5	94.9	101.0	101.3	106.3
Apr...	97.8	101.3	96.1	101.4	99.4	101.2
May...	97.8	102.3	97.7	103.9	98.0	100.6
Jun...	98.5	102.7	98.2	103.0	98.7	102.3
Jul...	98.4	100.2	97.4	99.0	99.4	101.5
Aug...	101.1	104.6	99.9	104.5	102.2	104.8
Sep...	103.3	106.2	101.3	104.8	105.1	107.7
Oct...	103.5	109.5	101.6	109.4	105.4	109.7
Nov...	102.6	106.2	101.0	106.1	104.1	106.2
Dec...	102.1	106.9	100.6	105.8	103.6	108.2
1929						
Jan...	101.7	103.8	101.0	102.2	102.3	105.6
Feb...	104.1	110.8	103.9	111.5	104.3	110.0
Mar...	105.4	113.0	105.9	114.6	105.0	111.2
Apr...	106.7	114.1	108.0	117.5	105.4	110.3
May...	106.5	114.3	109.3	118.7	103.9	109.5
Jun...	106.8	112.7	109.3	115.8	104.4	109.2
Jul...	107.3	108.6	109.2	109.8	105.6	107.2
Aug...	109.2	113.5	110.3	115.4	108.2	111.3
Sep...	110.3	114.4	109.8	114.6	110.8	114.2
Oct...	109.0	113.7	107.7	113.4	110.2	114.0
Nov...	104.6	104.9	102.5	102.9	106.6	107.1
Dec...	100.7	101.2	97.6	97.4	103.6	105.4
1930						
Jan...	98.2	96.5	94.8	91.0	101.4	102.6
Feb...	98.3	99.6	95.3	96.1	101.2	103.5
Mar...	97.9	99.7	95.1	96.8	100.5	103.0
Apr...	97.3	98.5	94.9	97.0	99.6	100.3
May...	95.6	96.1	93.8	94.8	97.4	97.6
Jun...	93.6	92.9	90.8	90.3	96.3	95.7
Jul...	90.4	85.0	86.3	79.1	94.3	91.6
Aug...	89.7	83.8	83.7	76.0	95.3	92.6
Sep...	90.7	84.8	82.3	75.4	98.6	95.3
Oct...	88.7	82.9	80.9	74.4	96.2	92.5
Nov...	85.4	77.3	78.1	68.6	92.3	87.0
Dec...	82.9	75.4	75.7	65.1	89.9	85.8

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRY GROUPS
By months, January 1923 to December 1930

(1923-25 = 100)

Year and Month	"IRON AND STEEL" and their products (Group)		Machinery, not including transportation equipment					
			"MACHINERY" (Group)		Agricultural im- plements (includ- ing tractors)		Engines, turbines, water wheels and windmills	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923								
Jan...	99.4	93.8	98.8	89.7	108.8	102.1	83.9	74.4
Feb...	101.8	98.7	102.8	94.4	121.3	116.6	92.9	83.4
Mar...	104.0	102.1	106.1	101.3	126.2	125.7	101.9	98.8
Apr...	104.4	100.4	108.9	107.4	126.7	126.4	106.2	120.4
May...	105.6	109.6	108.8	110.2	122.3	125.5	94.7	103.2
Jun...	107.6	111.1	108.7	111.0	117.2	117.4	97.2	109.0
Jul...	104.7	98.5	108.5	106.8	108.0	105.9	102.6	99.0
Aug...	106.6	105.6	107.0	105.3	103.3	102.5	103.7	106.9
Sep...	105.9	104.4	107.5	106.0	98.7	98.9	99.8	101.2
Oct...	105.6	109.1	104.9	106.8	94.5	96.0	94.7	102.2
Nov...	103.5	106.0	104.7	105.1	97.0	100.7	108.1	109.7
Dec...	100.2	102.1	103.2	105.4	98.2	103.6	101.7	111.2
1924								
Jan...	100.9	101.1	102.8	102.3	101.5	105.1	98.0	112.4
Feb...	105.7	111.3	101.9	104.7	103.9	103.6	103.3	113.3
Mar...	107.6	113.5	102.7	106.4	104.0	108.7	110.6	122.8
Apr...	106.8	110.8	101.8	105.4	97.0	99.5	111.9	122.4
May...	99.9	101.8	97.0	99.5	88.1	91.6	73.7	73.4
Jun...	94.6	88.7	93.0	93.5	78.0	76.4	80.7	78.6
Jul...	88.9	77.6	88.7	83.7	71.1	62.2	73.7	64.8
Aug...	88.1	83.9	88.7	85.0	72.6	67.5	84.5	75.4
Sep...	90.1	86.9	89.3	86.2	74.0	67.8	83.4	69.4
Oct...	92.8	92.7	90.2	88.9	78.0	72.3	87.0	76.8
Nov...	92.7	91.5	90.4	88.6	83.7	78.6	84.9	73.5
Dec...	95.8	98.7	92.8	94.4	90.1	89.1	88.8	79.8
1925								
Jan...	98.5	101.1	94.6	95.1	93.5	89.3	93.4	92.1
Feb...	101.2	104.8	96.8	99.8	98.8	99.2	98.1	100.6
Mar...	102.0	105.4	97.5	101.1	101.5	103.8	110.1	115.8
Apr...	99.9	101.4	98.4	99.3	102.9	104.3	120.7	126.0
May...	98.6	101.4	98.3	101.7	101.9	103.8	124.9	131.4
Jun...	97.0	96.3	98.1	99.9	100.2	100.5	116.7	113.4
Jul...	95.1	90.3	97.4	97.3	96.9	95.3	107.8	96.7
Aug...	96.3	95.5	98.0	98.0	101.9	102.0	109.2	101.2
Sep...	97.2	93.7	99.9	96.8	104.2	98.3	109.6	98.6
Oct...	99.1	102.3	102.4	104.7	106.1	110.0	117.5	121.6
Nov...	100.0	101.5	104.2	107.6	111.1	117.8	116.1	109.8
Dec...	101.7	105.9	105.8	110.9	116.4	126.7	107.4	110.3
1926								
Jan...	101.0	102.2	106.4	108.4	121.2	128.7	109.8	112.0
Feb...	103.2	106.3	108.1	112.6	124.8	134.8	116.4	129.0
Mar...	103.1	108.2	109.0	114.7	123.8	133.7	121.8	139.5
Apr...	103.9	107.5	108.5	113.2	122.5	131.9	124.4	141.7
May...	102.7	104.8	107.6	111.9	119.7	128.5	136.4	155.9
Jun...	101.7	104.2	107.2	112.7	116.4	124.5	137.6	161.6
Jul...	100.4	98.3	106.3	106.9	111.8	115.8	127.9	132.8
Aug...	101.9	101.6	106.8	110.0	114.8	122.3	123.4	137.0
Sep...	103.5	104.9	107.9	108.5	113.5	110.4	119.6	126.1
Oct...	103.7	109.5	108.4	113.2	113.8	116.4	116.6	131.0
Nov...	102.5	106.0	106.3	109.7	114.4	115.8	110.6	115.8
Dec...	99.7	103.8	106.1	111.5	117.1	126.8	118.6	132.5

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRY GROUPS
By months, January 1923 to December 1930

(1923-25 = 100)

Year and Month	"IRON AND STEEL" and their products (Group)		Machinery, not including transportation equipment					
			"MACHINERY" (Group)		Agricultural im- plements (includ- ing tractors)		Engines, turbines, water wheels and windmills	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1927								
Jan...	97.2	97.0	104.9	107.5	119.8	123.2	122.8	144.8
Feb...	99.2	103.4	106.2	112.1	122.5	132.1	133.3	155.7
Mar...	100.5	106.2	105.9	112.6	122.2	128.9	132.9	166.1
Apr...	100.3	106.1	105.0	110.6	118.3	127.5	127.5	147.2
May...	99.7	102.6	103.5	109.9	117.3	128.0	122.7	143.2
Jun...	98.4	101.5	103.6	109.0	115.4	122.7	120.8	143.9
Jul...	96.0	92.0	101.3	102.6	111.7	113.6	112.1	119.8
Aug...	96.1	96.9	100.7	104.2	112.6	118.5	111.2	111.4
Sep...	96.4	95.1	100.1	100.3	108.9	107.6	109.3	114.4
Oct...	95.5	95.7	100.6	102.9	111.5	114.3	109.6	119.1
Nov...	93.7	92.7	98.9	99.6	113.1	117.1	103.1	93.8
Dec...	92.3	93.1	98.5	103.1	119.5	127.2	101.8	117.0
1928								
Jan...	90.8	89.4	98.2	100.3	123.2	130.9	107.9	125.5
Feb...	94.3	100.1	99.7	104.8	126.6	137.2	112.1	139.8
Mar...	96.1	101.6	101.1	108.1	130.4	143.5	119.8	151.1
Apr...	96.4	100.2	101.8	108.0	132.2	144.2	118.3	150.2
May...	97.0	102.7	103.0	110.3	132.0	143.2	121.2	152.0
Jun...	97.1	100.4	104.0	112.1	132.4	143.4	123.6	157.2
Jul...	95.4	94.6	103.9	108.7	129.4	134.5	120.0	134.6
Aug...	98.0	101.0	105.4	111.7	129.2	136.7	113.4	131.7
Sep...	98.7	100.2	103.1	112.7	128.5	130.0	117.2	121.7
Oct...	99.4	106.4	109.7	118.6	135.7	144.8	122.5	149.0
Nov...	100.4	106.3	111.0	118.0	139.3	146.5	121.3	132.6
Dec...	100.0	104.6	112.9	122.1	144.9	153.4	122.7	135.8
1929								
Jan...	99.9	102.5	114.2	119.3	145.9	151.8	132.3	157.7
Feb...	101.5	108.5	117.9	127.7	151.5	164.2	137.0	171.1
Mar...	102.8	110.2	120.9	133.4	155.7	171.7	141.0	167.7
Apr...	103.6	112.4	123.6	135.9	160.5	177.6	140.5	170.4
May...	104.8	113.6	127.0	140.1	157.3	172.8	138.8	168.6
Jun...	105.1	111.8	130.0	140.3	152.7	164.2	137.0	161.8
Jul...	104.2	105.8	132.6	137.6	145.6	148.3	132.7	141.3
Aug...	105.9	111.8	133.8	139.9	135.6	140.4	126.5	143.4
Sep...	106.2	111.7	132.7	139.3	131.1	130.7	123.4	140.7
Oct...	105.0	111.1	132.7	141.6	134.1	140.6	120.1	139.9
Nov...	102.7	103.2	125.9	130.0	136.3	140.1	110.1	121.1
Dec...	98.0	96.8	119.8	126.9	139.7	150.9	108.5	126.8
1930								
Jan...	96.4	93.0	116.4	120.1	146.1	157.7	109.5	120.9
Feb...	98.4	101.0	116.0	120.9	152.4	171.2	110.7	124.2
Mar...	97.6	100.0	114.5	120.0	151.2	171.8	111.4	123.1
Apr...	97.1	100.4	112.5	117.9	144.5	159.6	114.7	129.4
May...	96.3	97.7	109.5	113.1	136.1	126.7	112.2	122.9
Jun...	93.0	93.0	106.1	107.6	112.0	94.2	102.4	116.5
Jul...	88.7	80.2	102.0	96.3	95.5	61.7	98.2	95.0
Aug...	85.8	79.1	98.5	92.3	85.3	62.0	91.8	89.5
Sep...	83.9	76.8	99.3	91.8	85.8	70.8	86.2	81.0
Oct...	82.8	77.1	97.9	90.4	86.3	65.9	82.3	82.1
Nov...	80.5	69.8	94.5	82.2	92.3	73.5	79.7	70.7
Dec...	78.1	67.4	91.4	80.3	94.9	78.2	81.5	77.6

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRY GROUPS
By months January 1923 to December 1930.

Year and Month	(1923-25 = 100)							
	Lumber and allied products		Food and kindred products		Chemicals and allied products, & petroleum refining		Chemicals (other than petro- leum refining)	
Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	
1923								
Jan...	96.1	87.4	88.9	89.3	101.8	96.5	102.8	96.4
Feb...	98.2	90.0	89.9	90.1	104.1	97.5	105.4	97.7
Mar...	99.2	94.0	92.0	92.8	105.0	101.6	106.0	101.5
Apr...	100.8	98.1	91.8	92.7	103.1	103.2	102.5	102.4
May...	102.2	102.2	93.1	95.0	104.1	105.5	102.8	104.5
Jun...	104.0	104.8	99.9	100.0	102.1	104.4	100.5	102.9
Jul...	104.6	103.7	107.9	103.6	100.4	104.7	98.6	102.9
Aug...	104.2	103.0	115.5	107.1	101.0	100.8	99.6	99.8
Sep...	103.8	103.5	121.0	113.2	102.7	102.9	102.4	102.4
Oct...	103.1	105.1	113.2	108.2	103.3	105.8	103.9	106.8
Nov...	102.3	105.2	105.3	105.0	104.1	101.4	105.6	103.7
Dec...	100.0	103.0	98.5	101.0	102.5	101.5	104.1	104.0
1924								
Jan...	97.0	94.1	93.4	95.8	101.1	98.2	102.5	101.0
Feb...	99.5	100.8	94.4	97.3	102.1	99.8	103.6	102.2
Mar...	99.6	101.7	94.0	96.6	102.7	102.1	104.2	104.3
Apr...	100.4	102.6	91.5	94.2	101.2	100.9	102.1	102.7
May...	100.1	101.5	91.2	95.2	96.6	98.1	96.4	98.4
Jun...	97.6	99.4	95.2	98.3	89.9	92.9	88.0	91.1
Jul...	96.1	92.5	100.9	101.2	89.4	90.1	87.3	88.6
Aug...	96.4	94.5	107.6	103.9	90.2	91.8	88.6	90.6
Sep...	97.6	97.0	113.2	109.3	94.2	93.1	93.9	93.0
Oct...	98.7	99.6	104.4	101.7	97.0	95.0	97.7	95.9
Nov...	98.2	98.1	98.2	98.9	98.1	97.4	99.0	97.4
Dec...	97.9	99.6	95.5	99.4	98.6	97.5	99.7	98.6
1925								
Jan...	97.4	93.2	91.4	95.3	98.0	96.6	99.0	97.9
Feb...	99.1	99.5	91.8	94.8	98.8	99.5	99.7	100.2
Mar...	98.6	101.1	91.4	94.7	100.5	102.8	101.8	103.5
Apr...	100.0	100.2	89.3	91.2	100.7	99.4	101.7	99.9
May...	99.7	101.1	90.0	95.0	94.1	98.9	93.4	97.8
Jun...	100.5	102.6	97.3	100.2	93.8	97.3	92.2	95.5
Jul...	99.9	99.3	106.1	103.9	95.2	97.2	93.3	95.5
Aug...	100.5	100.6	115.1	109.9	96.7	99.3	94.9	96.5
Sep...	102.1	103.2	123.1	113.5	103.5	101.0	102.9	99.8
Oct...	102.5	106.8	110.4	108.2	106.6	106.9	106.8	106.1
Nov...	101.9	105.7	101.4	103.1	107.7	109.1	108.0	108.7
Dec...	100.6	104.8	96.2	100.6	108.3	109.1	108.6	109.5
1926								
Jan...	98.0	95.7	92.0	97.0	107.0	108.6	107.3	108.5
Feb...	98.5	100.9	91.0	96.2	107.4	107.7	107.7	108.0
Mar...	99.0	101.6	91.5	96.4	108.3	109.8	108.8	110.0
Apr...	100.9	101.7	89.6	93.6	106.7	108.8	106.3	108.3
May...	101.0	102.3	90.9	97.6	102.3	106.8	100.7	105.2
Jun...	101.3	103.7	97.4	101.9	101.8	107.9	99.5	105.5
Jul...	100.9	99.1	104.6	104.5	101.1	104.2	98.3	102.0
Aug...	102.0	103.9	113.5	110.0	102.7	105.7	100.2	102.6
Sep...	101.7	104.9	119.7	114.5	108.7	109.2	107.2	107.2
Oct...	101.7	107.4	110.1	109.1	111.4	112.2	110.6	111.0
Nov...	100.4	105.9	101.2	103.2	111.2	111.7	110.5	110.5
Dec...	98.4	102.2	94.9	100.2	109.3	111.8	108.2	110.3

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRY GROUPS
By months January 1923 to December 1930.

(1923-25 = 100)

Year and Month	Lumber and allied products		Food and kindred products		Chemicals and allied products, & petroleum refining		Chemicals (other than petro- leum refining)	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1927								
Jan...	93.9	92.4	91.1	96.7	109.9	111.2	108.7	110.4
Feb...	93.1	95.0	90.6	96.7	109.8	114.3	108.3	112.3
Mar...	92.9	96.3	91.1	96.7	110.5	115.4	108.8	113.5
Apr...	92.8	95.2	90.9	96.0	108.4	112.9	106.8	111.1
May...	93.9	97.8	91.5	99.0	100.8	106.0	98.0	103.8
Jun...	94.2	97.8	99.8	104.7	98.5	106.9	95.4	104.0
Jul...	94.1	94.3	106.2	107.0	97.9	102.2	94.7	99.6
Aug...	95.3	98.0	114.1	111.3	98.2	103.4	95.6	101.3
Sep...	96.0	99.2	120.9	115.3	103.3	105.3	102.4	104.8
Oct...	95.6	100.5	109.7	108.5	104.8	106.4	105.0	106.6
Nov...	94.2	98.2	100.8	103.2	104.9	105.4	105.8	106.1
Dec...	90.9	94.2	95.1	100.5	103.1	106.5	103.7	107.6
1928								
Jan...	87.9	85.3	90.4	97.1	101.0	104.1	101.0	104.2
Feb...	88.1	89.6	91.7	99.2	101.9	105.4	102.1	106.0
Mar...	89.9	92.3	93.4	99.8	102.8	106.7	103.1	107.5
Apr...	90.9	92.6	93.1	97.0	101.7	106.8	102.0	107.2
May...	91.0	93.6	94.0	100.5	95.8	102.8	94.5	102.5
Jun...	92.2	94.8	100.6	105.5	96.2	103.1	94.4	102.1
Jul...	91.5	92.0	109.5	109.7	96.6	104.7	94.5	103.1
Aug...	93.9	95.4	119.2	115.1	97.9	106.2	95.7	104.4
Sep...	95.1	97.7	126.3	119.8	104.9	110.2	103.8	109.3
Oct...	95.6	100.5	115.8	114.1	110.9	114.6	111.6	115.2
Nov...	95.7	99.3	107.8	109.4	112.4	115.3	113.3	116.3
Dec...	93.6	95.8	103.5	108.5	113.5	116.6	114.5	117.7
1929								
Jan...	91.1	88.7	99.5	104.5	113.0	115.5	113.9	116.7
Feb...	91.6	92.0	99.9	105.1	114.1	118.6	114.6	119.1
Mar...	92.7	94.1	99.3	104.0	117.0	120.0	117.4	120.2
Apr...	94.7	97.1	105.5	108.3	118.7	123.0	118.7	122.5
May...	95.8	99.2	101.9	108.2	110.5	118.6	107.8	115.9
Jun...	97.0	98.8	106.5	110.8	109.3	117.7	105.7	114.2
Jul...	97.7	98.7	116.0	115.0	111.3	118.9	107.2	114.7
Aug...	99.8	102.0	126.0	122.4	114.1	120.3	110.0	115.8
Sep...	99.5	104.3	133.2	128.6	118.7	123.9	115.2	119.0
Oct...	98.0	104.7	123.9	121.9	122.3	126.6	119.5	122.4
Nov...	94.9	97.2	113.9	114.6	121.1	125.4	118.1	121.6
Dec...	89.8	90.6	107.6	111.8	118.6	122.8	115.5	118.5
1930								
Jan...	84.4	79.7	101.9	107.3	116.3	119.1	112.5	114.8
Feb...	82.5	79.6	100.9	106.2	115.8	120.3	111.8	114.9
Mar...	82.5	82.1	99.7	104.2	116.3	120.4	112.8	115.5
Apr...	81.6	81.1	102.8	106.3	114.3	118.2	110.9	112.9
May...	80.6	80.7	101.8	106.5	108.0	115.0	103.5	109.0
Jun...	78.8	78.3	105.3	109.2	105.2	112.4	99.9	105.2
Jul...	74.8	69.8	111.7	110.3	105.4	110.0	100.1	103.0
Aug...	73.0	68.1	119.5	113.6	105.7	107.7	100.7	100.3
Sep...	70.6	67.3	131.8	121.1	107.9	108.4	104.4	102.2
Oct...	70.4	66.9	117.2	110.5	108.1	107.9	105.6	102.9
Nov...	67.2	60.8	104.3	102.5	105.9	104.4	103.9	100.2
Dec...	63.7	56.1	96.9	97.7	104.1	102.2	101.5	97.8

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INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1923 to June 1938.

(1923-25 = 100)

Year and Month	Knit Goods Industries									
	KNIT GOODS 1/		Hosiery		Knitted Outerwear		Knitted Underwear		Knitted Cloth	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1923...	105.1	103.9	99.4	95.1	121.4	120.9	104.1	104.8	111.4	119.3
1924...	93.9	92.0	94.0	92.1	96.7	97.0	92.3	89.9	89.7	79.6
1925...	101.0	104.1	106.6	112.8	81.9	82.1	103.6	105.3	98.9	101.1
1926...	101.4	108.6	110.0	125.2	73.1	72.2	105.1	106.3	95.6	101.5
1927...	103.0	116.1	115.8	138.5	72.2	77.6	99.1	102.8	100.9	110.4
1928...	104.8	117.4	120.5	148.9	78.3	77.1	90.7	86.8	108.9	107.5
1929...	112.9	130.1	132.9	169.2	84.8	85.7	89.0	86.4	130.8	119.5
1930...	103.2	109.7	123.1	141.0	78.2	77.2	76.7	69.8	126.3	112.9
1931...	96.3	92.3	115.2	114.9	76.5	73.3	68.5	59.2	116.2	97.7
1932...	94.2	77.2	114.6	96.3	74.8	63.8	63.0	46.6	114.3	83.2
1933...	102.7	81.5	120.9	100.2	78.7	58.0	77.0	58.4	137.9	98.7
1934...	110.5	100.2	132.0	126.6	88.4	75.0	75.0	61.5	159.1	118.7
1935...	119.0	113.9	141.6	146.6	103.7	89.4	74.9	61.5	175.1	129.2
1936...	121.8	118.0	145.0	150.6	98.0	85.6	81.6	70.8	186.7	144.6
1937...	122.3	123.1	146.5	159.7	90.0	80.6	85.9	75.5	190.2	153.3
1923										
Jan...	103.8	96.6	100.1	87.5	115.5	110.8	102.0	98.2	111.7	125.9
Feb...	105.2	102.2	100.1	94.8	118.7	114.2	105.0	102.1	112.5	131.2
Mar...	105.8	107.1	99.0	96.9	120.5	125.3	108.0	107.1	115.0	137.4
Apr...	109.0	109.5	101.6	100.0	129.9	128.3	108.3	109.6	113.9	130.3
May...	108.7	112.1	101.9	103.0	127.8	130.6	107.8	110.6	116.9	136.6
Jun...	106.9	108.0	100.2	97.8	127.2	128.5	105.0	109.2	114.5	123.1
Jul...	104.0	99.3	97.3	87.3	127.3	123.5	100.1	101.5	110.1	112.7
Aug...	104.1	98.6	97.7	88.3	125.9	123.6	101.2	98.9	106.6	98.6
Sep...	102.9	99.8	96.6	89.4	120.7	120.5	102.0	100.7	110.5	116.5
Oct...	104.5	104.8	99.0	95.8	121.3	127.4	102.6	105.4	113.1	99.4
Nov...	104.9	105.2	100.6	99.5	117.9	117.0	103.1	105.5	113.3	112.8
Dec...	101.2	103.4	98.9	101.4	104.3	101.3	104.0	108.8	98.6	107.4
1924										
Jan...	101.7	98.8	101.0	94.8	103.6	102.7	102.9	103.1	93.8	103.1
Feb...	104.6	105.1	102.6	101.4	111.9	114.2	105.2	106.2	91.7	98.6
Mar...	104.8	104.4	103.0	101.9	111.8	115.2	105.5	107.4	90.2	67.4
Apr...	101.4	100.9	99.2	101.3	108.5	106.7	102.4	100.5	90.7	70.7
May...	96.9	94.9	95.8	96.2	104.3	101.4	95.5	91.3	83.1	69.1
Jun...	92.5	88.6	91.4	83.7	99.8	98.5	90.6	84.7	84.5	62.7
Jul...	80.7	72.1	80.6	68.7	93.0	90.8	71.2	64.6	85.3	64.2
Aug...	82.5	77.5	84.6	76.9	85.4	87.7	75.3	71.4	86.2	68.8
Sep...	86.4	82.0	87.2	81.7	83.8	84.8	86.6	82.0	86.9	71.6
Oct...	89.9	90.6	90.8	91.5	88.5	93.8	88.9	85.5	92.1	91.1
Nov...	91.7	92.0	94.7	97.3	86.0	85.7	89.0	86.4	95.5	90.5
Dec...	93.5	96.9	96.6	103.6	83.4	82.2	93.9	95.2	96.8	97.9
1925										
Jan...	94.9	96.3	98.2	99.6	82.6	80.8	95.9	99.3	101.6	114.7
Feb...	99.1	103.3	101.8	108.3	85.7	86.0	102.4	105.5	104.8	115.3
Mar...	100.8	106.7	104.3	112.0	84.7	88.3	104.4	109.6	105.9	116.1
Apr...	101.6	104.3	105.1	109.6	85.5	86.3	105.4	107.8	106.9	108.5
May...	100.6	105.2	105.8	113.3	79.2	84.5	104.3	107.2	108.8	98.3
Jun...	100.4	101.9	106.2	110.7	82.5	82.8	102.8	103.3	90.6	84.4
Jul...	99.1	98.0	105.5	107.0	81.1	78.4	100.7	98.9	87.6	81.4
Aug...	99.7	101.7	106.7	111.5	79.7	79.8	101.5	102.9	86.5	85.2
Sep...	101.7	100.3	108.5	109.7	81.5	77.6	103.9	101.7	91.0	90.8
Oct...	104.3	109.8	111.6	121.7	81.9	84.5	106.9	108.8	95.0	96.2
Nov...	105.5	111.5	113.2	124.4	81.0	82.9	107.3	109.5	104.7	109.1
Dec...	104.1	110.6	111.7	126.2	77.4	73.3	103.0	109.6	103.3	112.7

1/ Weighted

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1923 to June 1938.

(1923-25 = 100)

Year and Month	Knit Goods Industries									
	KNIT GOODS		Hosiery		Knitted Outerwear		Knitted Underwear		Knitted Cloth	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1926										
Jan...	103.1	105.6	110.7	118.7	74.9	69.0	108.1	108.2	102.8	113.4
Feb...	104.9	112.3	111.6	126.2	78.1	77.6	110.7	112.7	102.7	114.2
Mar...	105.3	113.0	111.7	127.8	78.8	77.4	111.7	113.5	101.7	106.5
Apr...	103.8	109.2	110.7	123.6	76.5	72.5	110.1	112.7	97.7	98.1
May...	101.8	109.0	108.3	125.5	74.9	71.6	108.7	109.0	96.7	95.8
Jun...	100.6	106.9	107.6	121.8	74.1	73.7	106.2	107.2	93.5	91.0
Jul...	95.1	98.5	103.3	112.9	69.6	69.1	97.6	94.5	89.5	91.2
Aug...	97.1	103.7	107.0	120.6	67.6	67.8	99.6	100.4	86.6	95.2
Sep...	98.9	104.1	108.7	119.5	69.7	69.0	101.7	104.0	84.9	92.4
Oct...	102.2	114.7	112.2	135.0	75.7	81.9	102.4	106.5	90.4	102.7
Nov...	102.4	113.6	113.8	135.5	70.7	72.5	102.3	103.8	97.9	106.3
Dec...	102.0	112.5	114.6	136.7	66.5	64.0	101.8	103.3	102.5	110.6
1927										
Jan...	101.4	110.1	113.8	132.7	65.5	65.0	101.2	100.5	105.8	113.0
Feb...	102.6	116.3	113.9	137.1	70.0	75.0	101.9	107.9	108.8	115.4
Mar...	103.1	118.3	114.4	139.1	70.5	77.2	102.6	109.9	107.5	117.6
Apr...	102.6	115.3	115.0	138.1	66.5	68.4	103.1	109.2	103.9	105.8
May...	102.5	117.6	114.9	140.3	67.8	75.9	101.9	106.3	103.7	107.5
Jun...	102.9	115.3	115.1	136.5	71.7	76.9	101.1	104.6	96.0	107.7
Jul...	97.4	104.9	111.5	125.2	69.9	73.8	88.3	88.1	94.8	107.2
Aug...	100.2	110.6	113.1	131.5	72.5	75.2	94.5	99.1	92.2	97.0
Sep...	104.1	115.6	117.2	136.3	77.7	83.5	97.8	101.1	92.7	105.5
Oct...	106.5	124.3	118.9	146.4	83.8	93.9	99.0	106.4	94.2	108.7
Nov...	107.2	123.5	121.1	148.2	77.6	89.4	100.2	101.0	103.9	117.8
Dec...	105.4	121.9	120.7	150.6	72.4	77.1	97.4	99.5	107.1	121.5
1928										
Jan...	104.6	117.8	118.4	144.7	76.8	79.9	95.6	92.8	108.6	119.1
Feb...	106.6	120.2	119.7	146.0	80.2	84.1	98.1	96.6	109.8	119.1
Mar...	106.2	120.1	119.7	148.1	80.4	80.6	96.9	96.4	106.7	110.1
Apr...	104.9	114.5	118.8	142.0	79.2	76.6	95.1	91.5	100.7	99.2
May...	105.0	115.6	119.5	146.1	79.6	76.3	93.6	88.6	102.6	92.2
Jun...	103.4	115.8	118.5	146.7	77.5	77.1	91.2	86.7	101.1	95.6
Jul...	100.8	106.6	115.6	135.6	78.8	74.5	85.6	73.9	103.0	97.8
Aug...	100.1	109.6	118.6	144.7	72.9	64.3	80.3	74.8	106.8	103.0
Sep...	104.1	116.1	121.4	148.2	75.1	74.8	87.6	83.6	114.1	114.1
Oct...	107.4	126.5	122.9	159.6	86.8	92.4	88.5	86.3	118.1	119.7
Nov...	107.9	123.5	126.2	161.0	80.0	77.4	88.6	85.2	118.3	111.3
Dec...	106.5	122.7	127.0	164.3	72.8	67.0	87.0	84.7	116.6	108.4
1929										
Jan...	105.0	116.3	126.1	155.3	69.9	69.3	84.6	77.6	117.9	105.4
Feb...	108.9	126.4	129.0	164.9	78.6	84.7	88.0	84.7	115.3	101.2
Mar...	111.7	129.6	130.7	167.7	85.0	87.2	90.2	88.4	120.3	109.5
Apr...	112.5	131.4	131.9	170.3	85.4	87.8	90.4	90.1	123.3	107.6
May...	112.7	131.2	132.6	171.2	82.5	83.9	91.4	89.9	126.7	112.6
Jun...	113.3	131.6	132.6	170.4	85.8	87.4	91.2	89.0	127.7	118.7
Jul...	111.4	123.3	132.0	160.4	83.4	83.7	86.0	78.5	130.4	120.7
Aug...	112.4	127.5	133.3	167.6	83.1	82.2	86.6	81.3	137.6	123.8
Sep...	116.5	133.5	135.8	171.7	92.2	90.1	90.1	88.9	143.2	134.4
Oct...	119.3	141.2	138.3	180.1	97.8	100.9	91.2	92.3	148.3	141.8
Nov...	118.1	137.2	137.9	177.4	92.6	90.9	91.3	91.1	146.0	137.1
Dec...	112.4	131.2	134.3	173.9	80.7	80.1	87.1	85.5	132.3	121.6

1/ Weighted

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by months, January 1923 to June 1938.

(1923-25 = 100)

Year and Month	Knit Goods Industries									
	KNIT GOODS		Hosiery		Knitted Outerwear		Knitted Underwear		Knitted Cloth	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1930										
Jan...	107.3	119.2	128.0	155.3	75.6	75.5	83.4	79.5	133.8	120.0
Feb...	109.5	123.6	129.2	159.4	82.2	82.2	84.7	83.2	135.1	120.2
Mar...	107.5	120.8	125.7	153.8	80.6	81.8	86.0	84.3	131.0	118.2
Apr...	107.0	116.4	127.1	152.3	78.6	75.5	82.6	75.0	130.1	114.1
May...	105.5	110.6	125.7	141.8	78.4	78.2	80.2	71.9	125.7	108.3
Jun...	105.5	111.7	123.5	140.5	84.9	85.7	80.0	71.9	125.9	112.3
Jul...	96.5	95.7	115.8	122.9	72.9	68.0	69.3	57.6	127.4	115.0
Aug...	95.3	95.3	115.8	124.0	71.5	67.8	66.3	55.0	121.7	107.7
Sep...	100.1	104.5	119.0	131.5	79.7	83.0	71.7	62.2	128.6	118.3
Oct...	103.3	110.6	122.9	141.9	84.2	83.2	72.7	65.2	129.3	119.9
Nov...	102.9	109.0	123.7	139.9	80.7	79.2	73.3	68.8	119.3	106.9
Dec...	97.8	98.7	120.3	129.1	69.2	66.2	69.7	62.5	113.6	93.5
1931										
Jan...	89.9	87.0	111.5	112.6	65.6	65.6	59.3	49.3	111.9	92.7
Feb...	94.4	94.8	115.4	121.5	71.0	71.2	65.1	57.1	113.4	97.4
Mar...	95.2	96.4	116.0	123.1	70.6	70.8	67.3	60.5	113.0	98.7
Apr...	95.4	94.8	115.6	120.8	70.9	69.1	68.9	60.8	112.3	97.3
May...	96.4	96.5	115.7	123.1	74.1	73.8	69.9	59.0	114.9	94.9
Jun...	97.3	94.7	116.4	119.3	77.9	75.1	69.1	58.1	115.9	98.4
Jul...	95.4	86.8	113.0	106.1	75.4	68.3	69.7	58.1	121.1	103.8
Aug...	97.1	90.3	114.6	108.8	78.4	74.6	70.7	60.9	122.0	106.5
Sep...	98.4	90.9	114.2	108.0	89.8	82.1	68.2	59.0	123.5	105.1
Oct...	99.2	93.7	114.8	110.7	88.4	84.2	71.5	63.8	120.9	101.6
Nov...	99.7	92.4	117.5	112.3	83.3	75.7	72.5	63.9	114.1	92.0
Dec...	97.1	89.8	118.1	112.6	72.0	68.6	59.6	60.1	110.8	84.1
1932										
Jan...	93.3	80.5	115.1	100.9	72.2	67.8	61.6	47.5	105.2	80.6
Feb...	95.0	85.4	116.4	105.7	73.9	73.8	63.7	51.6	109.7	85.1
Mar...	95.5	83.8	116.3	105.1	76.3	71.3	63.9	49.2	110.4	81.7
Apr...	93.4	77.4	113.8	98.2	74.2	64.7	63.5	44.5	104.2	72.1
May...	90.5	70.7	110.9	89.3	71.1	58.3	60.8	41.9	100.7	67.0
Jun...	89.8	69.7	109.9	88.2	71.6	57.6	59.5	40.3	102.4	69.6
Jul...	82.2	59.4	104.8	79.1	59.7	44.5	48.0	27.8	105.4	70.9
Aug...	88.3	67.2	108.9	83.1	70.0	59.3	54.9	36.7	114.7	83.3
Sep...	97.1	81.0	115.8	96.5	84.8	77.5	62.7	46.6	128.7	100.5
Oct...	102.8	88.7	120.5	105.9	91.4	78.8	69.9	57.2	132.2	103.3
Nov...	103.9	85.8	122.4	105.5	84.5	63.2	75.5	61.5	131.2	93.4
Dec...	98.6	77.2	120.5	98.1	68.1	48.6	71.4	54.7	126.7	90.8
1933										
Jan...	95.2	68.5	113.8	84.3	77.2	56.5	65.7	41.9	123.1	84.3
Feb...	94.4	69.0	115.2	87.6	71.1	52.1	64.7	42.3	117.4	75.6
Mar...	90.7	63.2	114.5	84.5	55.3	36.3	63.6	39.4	113.3	69.8
Apr...	93.5	66.6	114.9	87.5	61.2	39.2	68.5	43.5	121.9	76.5
May...	98.3	73.4	117.2	91.8	73.2	51.4	72.9	50.7	129.5	85.5
Jun...	105.6	80.5	122.1	96.9	84.2	58.1	81.9	60.7	141.9	101.1
Jul...	108.5	81.4	121.6	93.5	89.7	60.3	88.9	67.6	151.1	113.8
Aug...	107.3	91.5	120.1	105.7	88.7	67.6	87.1	75.2	157.8	125.5
Sep...	112.1	97.6	128.4	116.2	93.5	73.9	86.1	73.5	152.3	121.5
Oct...	113.5	101.7	130.5	122.7	93.4	75.5	86.9	75.6	155.7	121.1
Nov...	109.0	95.7	128.5	120.7	83.2	63.4	81.3	68.1	146.3	106.5
Dec...	103.7	88.9	124.5	111.5	74.0	61.1	76.4	61.8	144.1	103.7

1/ Weighted

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES
By years 1923 to 1937, and by Months, January 1923 to June 1938.

(1923-25 = 100)

Year and Month	Knit Goods Industries									
	KNIT GOODS 1/		Hosiery		Knitted Outerwear		Knitted Underwear		Knitted Cloth	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1934										
Jan...	99.7	77.0	122.3	95.1	73.5	60.3	65.7	47.8	142.1	101.3
Feb...	108.5	98.4	129.7	123.8	86.3	73.7	74.5	62.7	151.5	111.4
Mar...	113.5	104.8	133.5	130.6	91.1	75.1	82.0	71.9	157.9	120.5
Apr...	115.6	106.7	134.3	130.8	93.1	77.9	86.4	76.7	163.3	123.5
May...	116.4	106.2	134.2	129.4	97.3	79.8	86.9	76.0	161.6	122.2
Jun...	113.3	101.3	133.5	126.0	87.7	72.0	84.0	70.6	155.7	117.2
Jul...	105.9	90.9	128.8	115.1	77.8	66.5	71.8	55.9	154.9	112.4
Aug...	106.7	93.7	129.0	118.6	79.6	69.5	72.6	56.2	160.6	119.5
Sep...	105.4	95.4	128.6	123.2	90.2	77.3	61.5	47.2	152.0	115.0
Oct...	113.4	109.1	133.4	137.5	97.4	89.8	74.8	59.8	175.4	133.2
Nov...	114.0	108.5	138.2	143.1	94.4	79.7	70.4	55.9	167.3	124.2
Dec...	113.9	109.8	139.0	145.7	92.3	78.6	69.7	56.7	166.9	123.7
1935										
Jan...	113.7	108.5	138.7	143.6	97.8	84.6	65.8	50.9	167.1	123.2
Feb...	117.2	114.2	140.6	148.2	101.5	89.6	72.2	59.7	172.3	127.7
Mar...	119.5	116.5	142.1	151.2	102.9	88.5	76.9	63.7	172.9	128.2
Apr...	119.8	114.2	142.5	147.4	100.5	84.4	78.9	66.1	173.3	127.2
May...	118.7	109.2	140.6	139.1	101.6	84.7	77.8	62.8	173.6	126.6
Jun...	115.5	103.5	137.5	130.9	97.8	82.8	74.6	58.2	173.2	125.1
Jul...	112.5	98.0	134.8	123.9	96.6	81.3	69.0	51.5	172.6	123.4
Aug...	118.4	113.3	140.3	144.9	106.1	93.1	73.3	59.0	176.7	131.1
Sep...	121.9	121.0	143.4	153.6	114.9	103.2	73.8	62.7	180.9	138.1
Oct...	124.7	125.5	145.7	160.3	116.0	102.8	79.1	67.9	182.2	137.5
Nov...	124.3	124.3	147.1	161.7	109.1	92.7	80.1	69.6	178.6	131.5
Dec...	121.6	118.5	146.4	154.9	100.0	85.0	77.8	66.5	177.5	131.3
1936										
Jan...	117.5	107.7	141.5	137.7	98.0	83.9	74.2	59.7	170.4	128.4
Feb...	119.5	112.7	142.8	143.9	100.2	85.8	76.8	64.3	178.1	136.1
Mar...	121.1	117.8	144.2	151.0	100.5	86.4	79.4	69.3	183.0	140.8
Apr...	120.7	115.5	143.4	146.6	98.8	84.4	80.8	69.9	181.1	143.9
May...	119.0	109.8	141.6	138.5	96.2	80.3	80.0	68.8	179.4	134.6
Jun...	117.0	107.9	140.9	137.0	87.0	74.0	80.9	69.3	175.9	135.6
Jul...	117.4	103.6	140.0	138.0	92.9	77.8	78.4	65.6	186.2	142.0
Aug...	121.7	122.6	145.1	157.8	94.4	84.8	82.0	73.0	199.2	157.8
Sep...	126.0	122.5	149.1	156.6	101.3	88.9	85.3	73.0	201.1	150.4
Oct...	126.9	129.8	151.3	165.6	98.7	94.5	86.9	78.4	195.3	154.7
Nov...	126.9	129.7	149.8	166.3	103.8	93.9	86.7	78.0	194.3	151.1
Dec...	127.7	131.5	150.3	168.6	103.9	92.4	88.2	80.1	196.0	160.1
1937										
Jan...	125.7	124.8	149.2	153.5	97.8	86.1	87.4	79.0	194.3	160.1
Feb...	127.9	131.2	149.8	165.6	100.9	91.0	91.3	84.8	204.1	170.4
Mar...	128.6	131.2	150.1	163.6	99.8	90.0	93.6	88.6	208.6	175.9
Apr...	128.2	131.8	148.6	164.1	100.5	92.1	94.8	88.3	206.0	176.6
May...	126.6	129.7	147.0	163.2	100.2	91.2	92.6	84.0	203.7	165.9
Jun...	122.3	122.7	144.8	156.7	88.8	80.3	89.6	80.4	195.0	155.1
Jul...	120.9	116.4	145.2	149.6	86.3	75.4	85.0	74.1	191.8	150.1
Aug...	120.8	123.9	145.2	161.8	86.3	79.1	85.2	74.6	191.1	158.2
Sep...	121.0	121.1	147.1	162.1	84.4	71.3	83.7	70.4	188.2	151.1
Oct...	121.1	128.1	147.4	171.0	86.4	82.3	82.8	71.0	184.9	152.7
Nov...	116.6	117.0	146.4	163.3	78.4	67.1	75.8	59.8	164.5	121.1
Dec...	107.6	99.4	137.0	136.8	69.2	61.0	68.4	51.4	149.6	102.7
1938										
Jan...	103.4	94.2	134.6	132.2	62.7	51.5	63.0	48.2	139.4	100.1
Feb...	107.9	103.4	139.1	152.9	67.2	60.0	66.9	53.8	147.2	112.5
Mar...	108.6	110.7	139.6	157.2	67.4	56.9	69.0	55.5	145.5	110.8
Apr...	107.8	106.5	139.5	151.2	68.1	56.5	66.0	53.9	140.2	105.9
May...	103.3	101.6	132.1	142.0	68.8	56.9	64.5	52.7	132.0	97.4
Jun...	103.9	99.9	132.5	138.8	68.6	57.9	65.7	52.7	134.7	99.5

1/ Weighted

INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRY GROUPS
By years 1919 to 1922, and by months January 1919 to December 1922

(1923-25 = 100)

Year and Month	Total All Industries		Iron & Steel and their products		Machinery not including transportation equipment		Lumber and allied products		Food and kindred products	
	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls	Employ- ment	Pay rolls
1919...	106.7	98.0	100.1	96.7	116.6	103.3	94.3	89.8	114.5	103.1
1920...	107.1	117.2	108.1	123.6	128.6	134.8	89.6	110.4	109.6	113.7
1921...	82.0	75.6	66.8	57.4	77.5	69.6	76.6	69.7	93.3	93.6
1922...	90.7	81.2	84.2	70.8	81.7	72.2	97.4	82.3	96.5	91.6
1919										
Jan...	104.5	93.8	109.2	109.7	120.4	102.9	84.3	74.7	111.5	98.1
Feb...	101.2	89.3	104.1	103.6	117.6	99.2	84.6	73.7	107.7	96.8
Mar...	101.7	90.0	100.3	96.7	113.9	97.9	87.2	74.8	106.5	97.1
Apr...	101.9	89.2	95.5	88.0	112.7	95.1	87.3	78.3	103.8	93.7
May...	102.6	90.1	93.4	82.7	109.7	91.9	89.5	84.0	102.8	95.0
Jun...	103.9	92.7	94.2	85.2	107.4	88.1	90.0	88.2	108.3	99.5
Jul...	106.6	95.6	100.3	89.3	108.1	89.5	93.2	92.7	116.9	102.2
Aug...	109.3	101.7	102.9	103.2	113.6	99.6	97.6	95.5	125.6	109.1
Sep...	111.3	106.3	102.7	101.9	117.4	109.2	101.3	99.5	132.0	114.4
Oct...	110.9	103.6	91.5	90.0	121.7	112.9	104.7	99.7	126.9	110.5
Nov...	112.1	107.8	100.7	99.9	126.2	122.8	105.5	106.1	117.2	109.2
Dec...	113.9	115.4	106.9	110.3	130.6	130.6	106.5	110.4	114.2	111.1
1920										
Jan...	114.3	119.1	111.1	116.4	134.1	133.9	103.7	116.7	106.2	107.4
Feb...	113.3	117.4	112.2	122.1	132.5	127.6	104.0	115.3	102.4	103.4
Mar...	115.6	125.4	114.3	131.3	135.0	140.4	104.6	122.2	104.1	109.4
Apr...	114.0	122.3	113.1	125.1	133.8	138.2	98.8	115.7	102.5	102.3
May...	111.1	123.0	107.6	122.2	131.5	138.8	92.5	114.7	103.4	113.8
Jun...	110.1	124.4	110.3	128.4	132.7	143.1	86.7	114.3	109.8	119.7
Jul...	107.5	120.0	110.2	121.3	133.3	144.7	80.0	109.5	117.3	121.3
Aug...	107.4	120.6	108.2	123.9	130.8	142.5	88.5	114.8	125.9	125.9
Sep...	106.1	118.9	103.8	129.9	127.7	138.3	85.2	110.5	129.6	126.7
Oct...	102.1	114.4	107.7	132.5	123.1	129.5	82.9	106.3	115.0	118.3
Nov...	95.6	105.0	102.4	123.9	117.8	123.5	77.0	95.8	104.1	112.1
Dec...	88.0	95.5	90.8	105.8	110.5	117.1	71.3	88.7	94.7	103.8
1921										
Jan...	79.5	80.6	73.9	81.8	103.1	105.3	70.9	69.8	84.8	94.4
Feb...	81.7	80.1	76.9	80.2	95.0	87.9	73.7	72.4	86.2	94.8
Mar...	82.9	81.0	74.1	73.7	90.0	84.3	75.5	74.1	87.7	95.0
Apr...	82.3	78.8	67.0	60.9	84.4	79.1	76.4	72.3	84.7	88.3
May...	82.0	77.4	66.8	58.6	79.0	73.3	77.1	70.5	85.8	91.3
Jun...	81.2	75.6	62.1	49.3	74.9	66.2	77.4	73.6	89.9	91.4
Jul...	79.7	71.6	54.8	38.8	69.2	60.1	75.3	65.6	95.1	93.3
Aug...	81.1	73.6	59.1	44.2	67.7	57.7	75.7	71.6	101.5	96.1
Sep...	83.0	73.3	61.4	44.0	66.7	56.3	77.0	67.7	106.5	98.9
Oct...	83.7	71.9	65.8	49.5	65.7	53.7	78.4	65.3	103.9	99.0
Nov...	83.7	70.9	69.7	52.5	66.1	54.3	81.2	65.5	100.5	93.5
Dec...	82.7	72.7	70.3	54.9	68.2	56.8	80.7	68.0	92.4	87.7
1922										
Jan...	82.4	69.6	66.7	49.3	70.6	57.5	87.3	70.9	85.2	83.5
Feb...	84.5	72.5	71.9	54.9	71.4	59.2	91.6	75.7	85.9	82.4
Mar...	85.8	74.4	74.2	58.0	74.7	62.7	95.6	80.0	88.3	84.7
Apr...	85.7	73.6	79.4	61.4	76.9	64.4	94.7	78.6	84.8	79.5
May...	87.9	77.0	62.3	65.3	79.6	67.5	99.4	81.8	85.9	85.2
Jun...	89.6	80.0	86.4	70.6	80.1	70.6	102.4	84.7	92.2	90.2
Jul...	90.5	80.2	87.0	66.3	80.1	71.3	101.0	82.3	101.4	94.5
Aug...	93.1	84.1	88.0	73.1	81.2	74.0	101.1	86.1	111.8	99.3
Sep...	95.1	87.0	88.3	78.4	86.1	77.3	99.1	85.6	114.7	104.5
Oct...	96.6	88.7	92.6	85.8	89.1	81.9	99.8	86.5	107.0	99.6
Nov...	98.0	92.2	95.6	91.6	92.7	86.3	99.6	88.0	103.3	100.6
Dec...	99.1	94.5	98.3	94.2	97.4	93.6	96.7	87.5	97.3	95.5

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